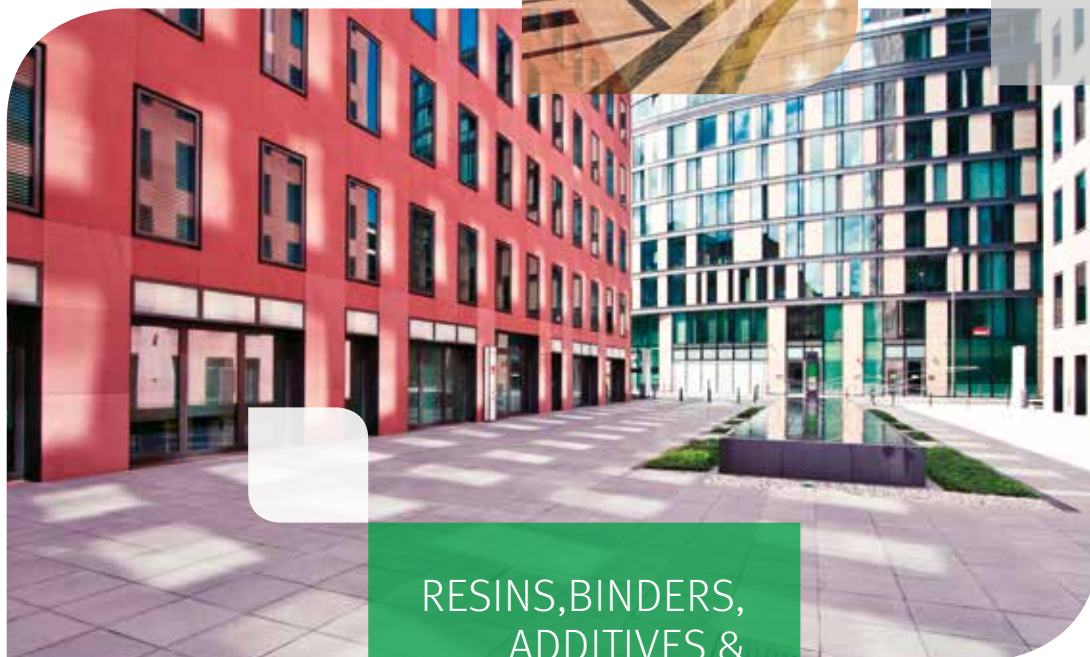


*Lubrizol*

BUILDING & CONSTRUCTION



RESINS, BINDERS,  
ADDITIVES &  
FORMULATED  
SOLUTIONS



BUILDING &  
CONSTRUCTION  
COATINGS  
PRODUCT GUIDE  
(EUROPE)

RESINS AND DISPERSANTS FOR MORTAR-MODIFIED ELASTIC WATERPROOFING MEMBRANES



TOPCOAT RESINS FOR COMMERCIAL ROOF APPLICATIONS



RESINS FOR WATERPROOFING MEMBRANES AND COATINGS USED ON POOL DECKS



PRIMER RESINS FOR COMMERCIAL ROOFING SUBSTRATES



ACRYLIC RESINS AND POLYURETHANE DISPERSIONS FOR HORIZONTAL MASONRY COATINGS



RESINS AND DISPERSANTS FOR VERTICAL ELASTOMERIC COATINGS



RESINS AND DISPERSANTS FOR SEALERS AND DECORATIVE TOPCOATS



**MAKING THE WORLD MORE BEAUTIFUL THROUGH INNOVATIVE SURFACE COATINGS**

# BUILD TO LAST WITH LUBRIZOL

Lubrizol creates specialty chemical solutions that deliver value for coatings manufacturers, architects, builders and building owners. Our advanced portfolio of resins, polymers, dispersants, and surface modifiers beautify and strengthen a diverse range of interior and exterior surfaces for building and construction applications.

With advanced Lubrizol technologies, coatings manufacturers can improve coating performance and production efficiency. Contractors and architects can shorten construction schedules and reduce labour costs. Property owners will enjoy long-lasting, visually appealing surfaces.



## VERTICAL MASONRY

Suitable for concrete, block, brick, stucco, fibre cement and EIFS, Lubrizol resins and additives ensure excellent appearance, excellent colour retention, and resistance to water, efflorescence and dirt pick-up.

## HORIZONTAL MASONRY

Horizontal surfaces often experience the toughest wear. Lubrizol resins and additives improve the coating performance to improve the appearance and durability of stamped and polished masonry.



## LIQUID ROOF COATINGS

Lubrizol resins offer dependable protection against weathering, dirt pick-up, and ponding water damage. Our additives disperse pigments that promote reflectivity, which results in lower energy costs for building owners.



## MORTAR MODIFICATION

Lubrizol resin and additive technology is designed to deliver premium mortar performance, with benefits including excellent waterproofing, outstanding flexibility (resulting in less cracking), decreased working time, and very good flow characteristics.

# RESINS & POLYMERS

PRODUCT NAME	DESCRIPTION	KEY FEATURES	APEO-FREE	USES					TYPICAL PHYSICAL PROPERTIES					PRODUCT NAME	
				ROOF COATINGS PRIMER	ROOF COATINGS TOP COAT	VERTICAL ELASTOMERIC COATINGS	HORIZONTAL MASONRY COATINGS	MORTAR MODIFICATION	WEIGHT SOLIDS (%)	VISCOSITY cP	pH	Tg °C	MFFT (°C)		SPECIFIC GRAVITY
Carbaset® 2968	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent hardness.</li> <li>• Self crosslinking.</li> <li>• Superior water resistance.</li> <li>• Outstanding chemical, stain and early mar resistance.</li> </ul>	Yes				•		42	76	8.1	N/A	57	1.05	Carbaset® 2968
Carbaset® 7733	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Low coalescent demand.</li> <li>• Inherent stain removal or washability.</li> <li>• Early block and print resistance.</li> <li>• Good flow and levelling.</li> <li>• High gloss coatings.</li> </ul>	Yes			•	•		49 - 51	40 - 800	8.4 - 9.2	N/A	21	1.06	Carbaset® 7733
Carbaset® AE-960E	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent dirt pick-up.</li> <li>• Concrete protection.</li> <li>• Superior efflorescence and alkali resistance.</li> <li>• Outstanding water resistance, weathering and crack bridging performance.</li> </ul>	Yes	•	•	•			55	2,000 max	8.5	-25	0	1.03	Carbaset® AE-960E
Carbaset® CA-600	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Good early water resistance and short dry time. Good substrate penetration.</li> <li>• Excellent resistance to blushing, alkaline, efflorescence. Excellent stain and chemical resistance.</li> <li>• Self-crosslinking.</li> <li>• Excellent exterior exposure/weathering and non-yellowing.</li> </ul>	Yes				•		42	41	8.3	54	35	1.06	Carbaset® CA-600
Carbaset® CA7100RC	Styrene-Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent wet rub resistance.</li> <li>• High, long-lasting elasticity.</li> <li>• Very good water and alkali resistance.</li> <li>• Formaldehyde-free product</li> </ul>	Yes	•	•	•			48	8,000 - 11,000	7.9 - 8.7	-10	0	1.02	Carbaset® CA7100RC
Carbaset® CA7120RC	Styrene-Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Very stable; resists deterioration and efflorescence when applied directly to highly alkaline substrates such as green concrete and hot stucco.</li> <li>• Outstanding long-term elasticity.</li> <li>• Excellent water and alkali resistance.</li> <li>• Good adhesion to most of the masonry substrates.</li> <li>• Formaldehyde-free product</li> </ul>	Yes	•	•	•			49	8,000 - 12,500	8.3	0	0	1.03	Carbaset® CA7120RC
Carbaset® CA7160RC	Styrene-Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent resistance to dirt pick-up, efflorescence, alkali and water.</li> <li>• Outstanding weathering.</li> <li>• Superior adhesion to cementitious substrates.</li> <li>• Formaldehyde-free product</li> </ul>	Yes			•	•		50	8,000	8.3	18	21	0.99	Carbaset® CA7160RC
Carbaset® CA-1009	Acrylic Polyurethane Emulsion	<ul style="list-style-type: none"> <li>• Superior water resistance.</li> <li>• High durability against wear and weather.</li> <li>• UV and thermal ageing resistance.</li> <li>• Very low water uptake and capillary absorption.</li> </ul>	Yes	•	•	•			54 - 56	150 - 400	8 - 8.5	10	0	1.01	Carbaset® CA-1009
Carbaset® CA-7107	Acrylic Emulsion	<ul style="list-style-type: none"> <li>• Excellent elasticity.</li> <li>• Excellent spreading and brushability.</li> <li>• Lively long-lasting colour tones.</li> <li>• Quick hardening, which prevents blotching due to rain a few hours after application.</li> </ul>	Yes	•	•	•			47 - 49	5 - 150	8 - 9	10	0	1.05	Carbaset® CA-7107
Carbaset® CA-7147	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent water washability and scrub resistance.</li> <li>• Fast hardening and water resistance.</li> <li>• Concrete protection.</li> <li>• Easy application.</li> <li>• Provides long-lasting brightness in colours.</li> <li>• Low thermoplasticity and low dirt pick-up.</li> </ul>	Yes			•	•		46 - 48	300 - 1200	8.5 - 9.0	7	6	1.02	Carbaset® CA-7147
Carbaset® CR-785	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Cure and seal polymer for horizontal concrete.</li> <li>• Concrete curing membrane.</li> </ul>	No				•		42.5	40	8.0	51	44	1.03	Carbaset® CR-785
Carbaset® RP-7350	Vinylidene Chloride Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• High performance metal primer for use in coastal and marine environments.</li> <li>• Good water vapour barrier properties</li> <li>• Bitumen bleed through blocking sealer</li> </ul>	Yes	•					60	85	1.6	16	13	1.28	Carbaset® RP-7350
Carbaset® PL958B	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Clear films.</li> <li>• Peelable with excellent release properties from various substrates.</li> </ul>	Yes			•	•		45.8	47.8	7.0 - 9.0	10	3	1.07	Carbaset® PL958B
Carbaset® RPT-2000	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Alkaline resistance - Early application on concrete substrates.</li> <li>• Cool Roof coatings.</li> <li>• Dirt pick up resistance.</li> <li>• Temperate climates.</li> </ul>	Yes	•	•	•			55	100 - 1500	7.9 - 8.7	10	9	1.06	Carbaset® RPT-2000
Carbaset® RPT-3030	Acrylic Emulsion	<ul style="list-style-type: none"> <li>• Acrylic - superior elasticity.</li> <li>• ASTM D6083 compliant - capable in all climates.</li> </ul>		•	•	•			55	200 - 10000	8.0	-35	0	1.06	Carbaset® RPT-3030
Carbaset® SA-850	Styrene-Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Excellent dirt pick-up, alkali and efflorescence resistance.</li> <li>• Excellent weathering performance.</li> <li>• Excellent resistance to chalking, fading and water penetration.</li> </ul>	Yes	•	•	•			55	100 - 1500	7.9 - 8.7	10	9	1.06	Carbaset® SA-850
Carbaset® X-Flex 100	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Imparts high mortar flexibility.</li> <li>• High flexibility at low temperatures.</li> </ul>	Yes				•		60	250	8.5	-41	-	1.02	Carbaset® X-Flex 100
Carbaset® XM-200	Acrylic Copolymer Emulsion	<ul style="list-style-type: none"> <li>• Ammonia free cement compatible binder.</li> <li>• Improves adhesion to different substrates such as concrete bricks or masonry.</li> <li>• Improves flexural and compression strength in cement-based mortars.</li> <li>• Improves workability and application features in two component mortars.</li> </ul>	Yes				•		47 - 49	15 - 250	8.0 - 9.0	18	-	1.06	Carbaset® XM-200

<sup>1</sup> Ammonia free – No ammonia intentionally added during polymerization.

<sup>2</sup> APEO-FREE – No APEO intentionally added during polymerization.

## RESINS & POLYMERS

PRODUCT NAME	DESCRIPTION	KEY FEATURES	APEO-FREE	NMP-FREE	USES		TYPICAL PHYSICAL PROPERTIES				PRODUCT NAME
					ROOF COATINGS	HORIZONTAL MASONRY COATINGS	WEIGHT SOLIDS (%)	VISCOSITY cP	pH	MFFT (°C)	
<b>Doresco® M6A</b>	Thermoplastic Methacrylic Polymer in Xylene	<ul style="list-style-type: none"> <li>Concrete curing membrane.</li> <li>Concrete sealers.</li> <li>Façade coatings.</li> <li>Swimming pool paints.</li> </ul>	Yes	Yes		●	50	4000 - 7500	N/A	N/A	<b>Doresco® M6A</b>
<b>Doresco® T5T6o</b>	Thermoplastic Methacrylic Polymer in Toluene	<ul style="list-style-type: none"> <li>Excellent adherence to asphalt and concrete.</li> <li>Exceptional abrasion resistance.</li> <li>Internally plasticised.</li> </ul>	Yes	Yes		●	59 - 61	6000 - 8000	N/A	N/A	<b>Doresco® T5T6o</b>
<b>Doresco® T6T</b>	Thermoplastic Methacrylic Polymer in Toluene	<ul style="list-style-type: none"> <li>Excellent adherence to asphalt and concrete.</li> <li>Exceptional abrasion resistance.</li> <li>Needs external plasticisation.</li> </ul>	Yes	Yes		●	49 - 51	3000 - 4500	N/A	N/A	<b>Doresco® T6T</b>
<b>Sancure™ 970</b>	Composite Polyurethane Dispersion	<ul style="list-style-type: none"> <li>High solid polyurethane dispersion.</li> <li>For 2K high performance floor sealers.</li> <li>Good chemical resistance.</li> </ul>	Yes	Yes		●	42	500 max	8.0 - 9.0	50	<b>Sancure™ 970</b>
<b>Sancure™ 20025F</b>	Aliphatic Polyurethane Dispersion	<ul style="list-style-type: none"> <li>Can be blended with acrylics to enhance coating durability.</li> </ul>	Yes	Yes	●		48.0	500 max	8.0	<5	<b>Sancure™ 20025F</b>
<b>Sancure™ 20041</b>	Aliphatic Polyurethane Dispersion	<ul style="list-style-type: none"> <li>High performance, 2K polyurethane dispersion for floor coatings.</li> </ul>	Yes	Yes	●	●	34.0	200 max	-	32	<b>Sancure™ 20041</b>
<b>Turboset™ 2027</b>	Composite Polyurethane Dispersion	<ul style="list-style-type: none"> <li>Self-crosslinking.</li> <li>Excellent Taber abrasion resistance.</li> <li>Chemical resistance.</li> <li>High solids.</li> </ul>	Yes	Yes		●	38 - 40	500 max	8.2 - 9.2	22.5	<b>Turboset™ 2027</b>
<b>Turboset™ Ultra Eco</b>	Composite Polyurethane Dispersion	<ul style="list-style-type: none"> <li>Self-crosslinking.</li> <li>VOC levels in final formulation –less than 50 grams per litre.</li> <li>Excellent Taber abrasion and black heel mark resistance.</li> </ul>	Yes	Yes		●	35.0 - 37.0	400 max	7.5 - 9.0	<4.4	<b>Turboset™ Ultra Eco</b>
<b>Aptalon™ W8030</b>	Polyamide Self-Matting Polyurethane Dispersion	<ul style="list-style-type: none"> <li>Self-crosslinking PUD with inherent low gloss</li> <li>Reduction or elimination of matting additives</li> <li>Hard and tough matt top coat finishes</li> <li>High chemical resistance</li> </ul>	Yes	Yes		●	35	<500	7.5 - 8.5	~61	<b>Aptalon™ W8030</b>
<b>Aptalon™ W8060</b>	Polyamide Polyurethane Dispersion	<ul style="list-style-type: none"> <li>Self-crosslinking PUD for 1K formulations</li> <li>Hydrolysis and chemical resistance</li> <li>High abrasion resistance</li> </ul>	Yes	Yes		●	36	<500	7.5 - 8.5	~59	<b>Aptalon™ W8060</b>

## SURFACE MODIFIERS

PRODUCT NAME	USES	TYPICAL PHYSICAL PROPERTIES			PRODUCT NAME
		PHYSICAL FORM	ACTIVE (%)	SOLVENT	
<b>Aquaslip™ 682</b>	Polyethylene wax emulsion. Provides scratch and abrasion resistance with minimal influence on gloss.	Liquid	40	Water	<b>Aquaslip™ 682</b>
<b>Aquaslip™ 677</b>	Modified paraffin-based wax emulsion. Provides water resistance and water beading effect. Low influence on gloss and good surface protection.	Liquid	55	Water	<b>Aquaslip™ 677</b>
<b>Lanco™ Glidd 4370</b>	Creating a protective and decorative layer on stucco wall coatings. Reducing dirt pick-up and enhancing easy-to-clean property.	Smooth flowable paste	60	Mineral oil	<b>Lanco™ Glidd 4370</b>
<b>Lanco™ Glidd 6148</b>	Polyethylene wax dispersion. Provides excellent scratch and abrasion resistance with controlled matting effect.	Liquid	53	Water	<b>Lanco™ Glidd 6148</b>
<b>Lanco™ Glidd 6445</b>	Polyethylene wax dispersion. Provides excellent scratch and abrasion resistance with controlled matting effect.	Liquid	42	Water	<b>Lanco™ Glidd 6445</b>
<b>Lanco™ Matt 2000</b>	Organically treated silica matting agent. Provides strong and uniform matting agent.	Powder	100	-	<b>Lanco™ Matt 2000</b>

## HYPERDISPERSANTS

PRODUCT NAME	PIGMENT TYPE	USES	TYPICAL PHYSICAL PROPERTIES			PRODUCT NAME
			PHYSICAL FORM	ACTIVE (%)	SOLVENT	
Solplus™ D510	Organic & Inorganic	Increased pigment or silica sand loading, improved self-leveling, colour separation resistance and resistance to settling. Particularly effective in epoxy flooring applications.	Liquid	100	–	Solplus™ D510
Solplus™ D560	Inorganic	Dispersion of high levels of pigment and filler in high solids and solvent-free coatings	Viscous liquid	100	–	Solplus™ D560
Solplus™ D570	Inorganic	Effective in dispersing higher levels of inorganic pigments and fillers in 100% solid epoxy systems. Polymer design improves viscosity stability. Particularly effective in epoxy flooring applications.	Liquid	100	–	Solplus™ D570
Solplus™ D610	Organic and Inorganic	Produces highly-stable, low viscosity pigment dispersions, particularly in epoxy flooring applications	Viscous liquid	100	–	Solplus™ D610
Solplus™ K500	Inorganic	Improvement of dispersion and stability, increased filler loading and improved wetting. Particularly effective in epoxy flooring applications.	Liquid	100	–	Solplus™ K500
Solsperse™ 27000	Organic & Inorganic	Dispersant for water-based and industrial paints .	Liquid	100	Water	Solsperse™ 27000
Solsperse™ 40000	Inorganic	General purpose waterborne, low foam, great for TiO <sub>2</sub> and CaCO <sub>3</sub> .	Liquid	85	Water & diethanolamine (DEA)	Solsperse™ 40000
Solsperse™ 41090	Inorganic	Dispersant for TiO <sub>2</sub> , inorganic pigments and mineral fillers in water-based industrial paints.	Liquid	90	Water	Solsperse™ 41090
Solsperse™ 44000	Organic & Inorganic	Dispersant for water-based industrial paints.	Liquid	50	Water	Solsperse™ 44000
Solsperse™ 46000	Organic & Inorganic	Dispersant for water-based industrial paints.	Liquid	50	Water	Solsperse™ 46000
Solsperse™ 47000	Organic & Inorganic	Dispersant for water-based decorative paints.	Liquid	40	Water	Solsperse™ 47000
Solsperse™ W100	Organic & Inorganic	Dispersant for water-based industrial paints, effective at less dosage.	Liquid	40	Water	Solsperse™ W100
Solsperse™ WV400	Organic & Inorganic	Dispersant for water-based industrial paints, with excellent resistance to standing water.	Liquid	40	Water	Solsperse™ WV400

## SPECIALTY ADDITIVES

PRODUCT NAME	USES	TYPICAL PHYSICAL PROPERTIES			PRODUCT NAME
		PHYSICAL FORM	ACTIVE (%)	DENSITY (G/CC)	
Humectant GRB2	Near VOC-free humectant for water-based paints.	Liquid	80	1.18	Humectant GRB2
Humectant GRB3	VOC-free humectant for water-based paints.	Liquid	100	1.20	Humectant GRB3
Humectant GRB4	Low VOC humectant for water-based paints	Liquid	80		Humectant GRB4
Lanco™ Antifloat D-14	Antifloat agent reducing colour separation effects, eg. rub-out, streaking, Benard Cells, etc. Particularly effective in epoxy floorings.	Powder	100		Lanco™ Antifloat D-14

## RHEOLOGY MODIFIERS/THICKENERS

PRODUCT NAME	USES	TYPICAL PHYSICAL PROPERTIES			PRODUCT NAME
		PHYSICAL FORM	ACTIVE (%)	SOLVENT	
Hectone™ 3	Thickener based on purified Montmorillonite Clay. Reducing settling of fillers and pigments. Providing sag control and reproducible thixotropic flow. Post-addable.	Liquid	3	Water	Hectone™ 3
Solthix® A100	Rheology control additive based on Hydrophobically modified alkali swellable associative thickener for water-based building and construction paints. Improves rheology and settling in aqueous paints.	Cream/White Liquid	30	Water	Solthix® A100
Solthix® A200	Rheology control additive based on an alkali swellable emulsion thickener for water-based building and construction paints. Improves rheology and settling in aqueous paints resulting in a medium yield value.	Milky White Liquid	30	Water	Solthix® A200
Solthix® A300	Rheology control additive based on an alkali swellable emulsion thickener for water-based building and construction paints. Wide compatibility and excellent sag control which may be used alone or in conjunction with Solthix® A200 for optimum rheology.	Milky White Liquid	18	Water	Solthix® A300

#### **NORTH AMERICA**

Lubrizol Advanced Materials, Inc.  
9911 Brecksville Road  
Brecksville, OH 44141 USA  
+1.800.380.5397

#### **EUROPE**

Lubrizol Limited  
PO Box 42, Hexagon Tower  
Blackley, Manchester  
M9 8ZS United Kingdom  
+44 161 721 6800

#### **ASIA-PACIFIC**

Lubrizol Specialty Chemicals  
(Shanghai) Co., Ltd  
10/F, Park Center International  
No. 1088 Fang Dian Road  
Shanghai 201204, PR China  
+8621-3866-0366

#### **SOUTH AMERICA**

Lubrizol do Brasil Aditivos Ltda  
Avenida Nove de Julho, 3653  
Jardim Paulista  
Sao Paulo – SP  
01407-000  
+55.11.4097.0250

#### **LUBRIZOL DEUTSCHLAND GMBH**

Max-Planck-Str. 6  
27721 Ritterhude  
Germany  
+49 421 6933-3

#### **LUBRIZOL ADVANCED MATERIALS SALES SPAIN S.L.**

c/ Camino de Can Caldés, 13  
08173 Sant Cugat del Vallés  
Barcelona  
Spain  
+34 93 590 2929

Visit us at:  
[www.lubrizol.com/coatings](http://www.lubrizol.com/coatings)

## **WHAT WE ADD MAKES THE DIFFERENCE.™**

Lubrizol is a market-driven innovator of specialty chemicals that solve today's challenges in the paints and coatings, printing and packaging, paper and textiles, plastics and composites and digital print markets. More than just a supplier, we are a collaborator with extensive experience in surface protection, dispersion, adhesion and barrier properties that enables us to enhance the performance, simplicity and sustainability benefits of our customers' products. With a commitment to collaboration, applied science and demonstrated value, our team of experts is dedicated to exceeding customer expectations for both the simplest and toughest requirements. Count on Lubrizol to make the difference.

# **Lubrizol**

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation nor as an inducement to practice any patented invention without permission of the patent owner.

Trademarks owned by The Lubrizol Corporation or its affiliates.  
©The Lubrizol Corporation 2019, All Rights Reserved.

19-169779