

ELASTOCHEM

Trusted Technologies With Value



Specialists in Marketing & Distributing
Plastics, Elastomers & Resins Throughout
New Zealand

www.elastochem.co.nz

CATEGORY:

Polyethylene

Polypropylene

Specialty Elastomers

Masterbatch

Engineering Plastics

Polyethylene

More sustainable packaging film starts with metallocene polyethylene from ExxonMobil™

Enable™ mPE Resins

Enable™ mPE resin - Unprecedented combination of film processing and HAO performance benefits in a single, unique resin. This breakthrough product technology is redefining film performance, offering:

- Operational stability
- Extended output
- Downgauging potential
- Application versatility
- Resin sourcing simplicity

Exceed™ mPE Resins

Exceed™ mPE resin - Unrivalled film performance for highly demanding end-use applications. Using our flagship mPE technology, this product can create value for film converters and their customers.

- Toughness and strength
- Impact resistance
- Downgauging potential
- Gloss and transparency
- Sealing performance
- LLDPE Resins

Our linear low-density polyethylene (LLDPE) resins offer balanced toughness and stiffness. Their suitability for multiple processing methods encourages innovation in film and molding applications.

LDPE Resins

Our extensive grade slate of low-density polyethylene (LDPE) resins offers to manufacturers low production costs for a wide range of products.

HDPE Resins

High-density polyethylene (HDPE) resins from ExxonMobil Chemical combine toughness and stiffness with resistance to environmental stress cracking at elevated temperatures and to warping.



Ex Store Grade Slate

Enable mPE

Enable™ 20-05 Series

Enable™ 20-10 Series

Enable™ 27-05 Series

Exceed mPE

Exceed™ 1018 Series

Exceed™ 1327 Series

Exceed™ 2018 Series

Exceed™ 3518CB

ExxonMobil™ LLDPE

LLDPE LL 1001 Series

LLDPE LL 1002YB Wire & Cable

LLDPE LL 6101 Series

LLDPE LL 6201 Series

LLDPE LL 6301 Series

LLDPE LL 8446.21UV

ExxonMobil™ HDPE Resins

HDPE HMA 014

HDPE HMA 016

HDPE HMA 018

HDPE HMA 025

HDPE HPA 020 Molding

HDPE HTA 001HD

HDPE HTA 108

HDPE HYA 600

ExxonMobil™ LDPE Resins

LDPE LD 104BR

LDPE LD 150 Series

LDPE LD 165BW

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Benefit from a full range of polypropylene products, technical expertise and reliable, worldwide supply. Choose from homopolymers, impact copolymers and random copolymers as well as our Achieve™ resins and Extral™ performance polyolefins.

ExxonMobil™ Polypropylene Resins

Obtain high performance and affordability with our engineered homopolymers, impact copolymers and random copolymers.

Applications

Our polypropylene products are used worldwide in automotive parts, appliances, consumer products, packaging and nonwovens.

Vistamaxx™ propylene-based elastomers

Vistamaxx™ propylene-based elastomers introduce an ever-expanding range of possibilities to compounding and polymer modification, films and nonwoven applications.

Based on proprietary Exxpol™ metallocene technology, Vistamaxx propylene-based elastomers can be processed in many ways, including:

- Blown film
- Cast film
- Extrusion and extrusion coating
- Injection molding
- Meltblown nonwoven
- Spunbond nonwoven

Polymer Modification & Compounding

Blend Vistamaxx with polypropylene to improve impact strength with clarity and flexibility, or make highly-filled, flexible compounds.

Films, Extrusion Coating & Lamination

Compatible with polypropylene and polyethylene, Vistamaxx extends performance in film, coating and lamination applications.



Ex Store Grade Slate

ExxonMobil™ Homopolymers Polypropylene Resin

ExxonMobil™ PP5722E1

ExxonMobil™ Impact Copolymers Polypropylene Resin

ExxonMobil™ AP03B

ExxonMobil™ PP7032E3

ExxonMobil™ PP7032KN

ExxonMobil™ PP7033N

ExxonMobil™ PP7555KNE2

ExxonMobil™ PP7684KN

Vistamaxx™

Vistamaxx™ 3020FL

Vistamaxx™ 3980FL

Vistamaxx™ 6102

Vistamaxx™ 6102FL

Vistamaxx™ 6202

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Santoprene™ TPV
proven performance

Santoprene™ Thermoplastic Vulcanizate (TPV)

Santoprene™ thermoplastic vulcanizates (TPVs) are high-performance elastomers that combine the best attributes of vulcanized rubber – such as flexibility and low compression set – with the processing ease of thermoplastics.

In consumer and industrial product applications, the combination of Santoprene TPV properties and ease of processing delivers improved performance, consistent quality and lower production costs. In automotive applications, the lighter weight of Santoprene TPVs contributes to improved efficiency, fuel economy and reduced costs. They also offer numerous benefits in appliance, electrical, construction, healthcare and packaging applications.

On standard thermoplastics equipment, Santoprene TPVs can be injection molded, extruded, blow molded or thermoformed, and clean scrap from these operations can be reused. Santoprene TPV is recyclable in the polyolefin recycle stream.

SantopreneTPV advantages

Harsh-environment performance. Parts made from Santoprene TPVs offer a constant service temperature range from -60°C to 135°C (-81°F to 275°F) with no cracking or tackiness. Excellent heat aging combines with good resistance to many acids, bases and aqueous solutions.

Portfolio of bonding grades. Select from more than 20 grades that bond with ETPs, nylons, metals and various polyolefins. Overmolds as thin as 0.5 mm eliminate adhesives, bonding agents and mechanical interlocks. Save costs through parts consolidation and design flexibility.

Soft-touch aesthetics. The dry silky feel of grips, knobs and handles made with Santoprene TPVs adds customer appeal and cost-effective market value to consumer and industrial products.

Broad range of flexibility. Santoprene TPVs range from supple 35 Shore A to tough 50 Shore D. General purpose grades are suitable for most applications. FDA-compliant, NSF-listed and medical grades are also available. Flame-retardant grades meet UL requirements.

Easier design for complex parts. Design tolerances can be two to three times more precise than with EPDM or polychloroprene rubber. This enables product designers to create parts with thick or thin walls and to simplify multipart designs.

Ex Store Grade Slate

Santoprene™ TPV

Santoprene™ 101-55

Santoprene™ 111-45

Santoprene™ 121-50M100

Santoprene™ 121-67W175

Santoprene™ 121-73W175

Santoprene™ 171-73

Santoprene™ 201-64

Santoprene™ 201-73

Santoprene™ 201-80

Santoprene™ 203-50

Santoprene™ 211-45

Santoprene™ 241-55

Santoprene™ 241-64

Santoprene™ 241-73

Santoprene™ 251-70W232

Santoprene™ 271-55

Santoprene™ 271-64

Santoprene™ 271-87

Santoprene™ 691-65W175

Santoprene™ 691-73W175

Santoprene™ 8211-35

Santoprene™ 8211-55B100

Santoprene™ 8271-55

Santoprene™ 8291-55PA

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A. Schulman thermoplastic additives and color concentrates improve the appearance and performance of resins to meet your exact specifications.

A. Schulman have matched tens of thousands of colors in virtually every resin on the market. A. Schulman's additive innovations and color-matching expertise are backed by the equipment and trained personnel at their Global Technology Centers.

A. Schulman provide additives to enhance oriented, blown or cast film; sheet and profile extrusion; blown and injection molding; and thermoforming applications. Masterbatches are available in a wide range of carrier resins: PE, PP, PS, PET, PLA, PA and specialty bio-resins.



Polywhite®

A. Schulman is a leading international supplier of high-performance plastic compounds and resins, which are used as raw materials in a variety of markets. Our proprietary and custom-formulated color concentrates and additives improve the appearance and performance of plastics in a number of specialised applications.

Polybatch®

Our thermoplastic additives improve the appearance and performance of resins to meet your exact requirements. Our innovative approach to developing new additive solutions is made possible by our highly trained personnel and the state-of-the-art equipment available at our Global Technology Centers. We provide additives to enhance BOPP; blown or cast film; sheet and profile extrusion; blown and injection molding; and thermoforming applications. Masterbatches are available for PE, PP, PS, biopolymers and special engineered resins such as PET and nylon.

DWJ

Sourced from a reputable and popular Chinese supplier, DWJ, Elastochem now stock a range of Black Masterbatch.



Ex Store Grade Slate

Polywhite®

8000 CL

PWI 85428

Polybatch®

AB Antiblock 10

AF 1088 Antifog

AMF 703 HF-IP PPA

AMF 705 HF PPA

CE 505 E Slip

FSU 103 E Slip A/B

LCC 70 CAC03

PBK 7170 FDA Black

DWJ Black

2010 40% Injection

6671 45%

6686 40% Film

Bayshore Masterbatch

Calcium Carbonate

Anti-Stat

PPA

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**SCHULADUR®**

SCHULADUR® is a semi crystalline engineered compound often used for precision parts and high quality moldings for industrial, electronic or automotive applications.

SCHULADUR® is based on polybutylene- or polyethylen terephthalate as well as specialty blends and alloys

Key characteristics of SCHULADUR® are:

- Low water absorption
- Excellent dimensional stability
- high rigidity and strength
- outstanding heat ageing performance
- high color stability at high temperatures
- excellent resistance to weathering
- high good sliding properties
- good chemical resistance

SCHULAMID®

A wide range of modifications makes SCHULAMID® one of most suitable and versatile engineered plastics!

The SCHULAMID® family covers a wide range of engineered compounds based on Polyamide 6, Polyamide 66, Polyamide 612, and Polyamide 12.

SCHULAMID® grades are available for injection molding, extrusion and blow molding. Modified grades are also available for special processing technologies such as GiD (gas assisted injection molding), WIT (water injection technology), laser marking and laser welding.

A wide range of modifications makes SCHULAMID® one of most suitable and versatile engineered plastics!

Key characteristics of SCHULAMID® are:

- High stiffness, strength and temperature resistance
- Excellent impact resistance and toughness at low and high temperatures
- High dynamic strength
- Very good abrasion resistance
- Hydrolytic stability (special grades)
- Excellent chemical resistance
- Easy processability
- Excellent electrical properties

Ex Store Grade Slate

Schuladur®

A GF 30 Black

A GF 45 Black

Schulamid®

6 GF 15

6 GF 30 TC

6 GF 50

Perrite

Percom 30% GF PP

Vitamide 30% GF PA6

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Engineering Plastics - *continued***Perrite**

Perrite are an independent thermoplastic compounding business based in Warrington, UK and Johor Bahru, Malaysia. They specialise in the supply of compounded products to the injection moulding and extrusion industries. Perrite manufacture and distribute an impressive line up of standard and custom compounded polymers including Percom polypropylene, Perlex polycarbonate, Styralin polystyrene and Peral POM. The product portfolio also includes the high performance Ronfalin ABS brand and prime quality polyamide Vitamide range.

Perrite's expertise includes product tailoring to modify performance, appearance enhancement and colouring. They assist in all stages of product development, from design, polymer selection, testing and approval through to optimising tool design and processing parameters.

Perrite's products are manufactured to provide a range of properties and performance, such as heat resistance, high impact, antimicrobial, reinforcement, flame retardancy, high gloss, chemical resistance or a variety of appearance effects.

www.perrite.com/home.aspx

Ex Store Grade Slate

Schuladur®

A GF 30 Black

A GF 45 Black

Schulamid®

6 GF 15

6 GF 30 TC

6 GF 50

Perrite

Percom 30% GF PP

Vitamide 30% GF PA6

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Santoprene™ TPV
proven performance

PREMIX

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