Additives & Polymer Modifiers

IMPROVED FRICTION

Tribology (friction reduction) and surface improver
Innovative grafted-copolymer improving friction and abrasion properties for PA, POM, PC, ABS, PC/ABS, PC/ASA etc..

Dry lubricating additive for PA and POM
Molybdenum Disulfide (MOS_2)

WEIGHT REDUCTION

Magnesium Oxysulfate whisker
High performance filler enabling high stiffness and improved surface properties for lighter weight parts.

Injection foaming modifier for PP resin
Increases the foaming ratio of PP, keeping the same stiffness and enabling up to 50 % weight reduction.

Carbon fibre
High quality carbon fibre 100% recovered through an innovative recycling process.

CLEANING AGENT

High performance cleaning agent for injection moulding and extrusion machines

ANTI-SCRATCH

Scratch resistance improver for PC/ABS and PP resins (VOC free)
This new grafted copolymer improves the scratch resistance of PC/ABS and PP, keeping the high performance even after aging.

COMPATIBILISER

Grafted-copolymer (different main chains grafted with different branch polymers)
Innovative grafted copolymer which can improve mechanical, surface properties and compatibility for engineering plastics.

ELECTRICAL CONDUCTIVITY

Conductive carbon black
Combines a very high electric conductivity with an excellent dispersability.

ANTI-FOG

Anti-fog coating
Unique anti-fog coating system for Polycarbonate and PMMA.

Abrasion resistant anti-fog coating
- UV curing type for automotive plastic windows.
- Thermal curing type for complex shape product like safety goggles and helmet.

CONTACT US!

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Marubeni

PRODUCT LIST

Solutions
for creating tomorrow

Engineering Plastics
High Performance Plastics

EXCELLENT APPEARANCE

High-modulus Polyamide 6 with outstanding brilliance for paintless finishes

- Pre-coloured PA6 with metallic appearance.
- Pre-coloured PA6 with piano black appearance.

Superior appearance PC/ABS for paintless finishes

- Exhibits deeper colour and improved scratch resistance compared to standard PC/ABS.

METAL REPLACEMENT

Unique aliphatic Polyamide resin (MX-nylon)
High modulus polymer that reinforces structural components under high stress.

High-stiffness ABS
Special ABS showing a very high stiffness, good impact resistance, improved mouldability and good paintability.

NOISE REDUCTION / ANTI-SQUEAK

Anti-squeak ABS and anti-squeak PC/ABS
Inhibit the stick-slip phenomenon which is the primary cause of squeaking.

- Anti-squeak ABS: general grade, low-gloss or glass fibre reinforced grades.
- Anti-squeak PC/ABS: general grade or low-gloss PC/ABS.

CHEMICAL RESISTANCE

Unique aliphatic Polyamide resin (MX-nylon)
Superior gas and fuel barrier properties combined with a good chemical resistance.

Fluoropolymers

- Ethylene tetrafluoroethylene (ETFE), Perfluoro-akoxy (PFA) and Polytetrafluoroethylene (PTFE).
- "Ultra" low melting ETFE with adhesion functionality for possible co-extrusion with polyolefins.

SUPERIOR HEAT RESISTANCE

Transparent & high-heat resistant Polyarylate resin
Amorphous polymer with high deflection temperatures (177°C at 1.8MPa) and with outstanding transparency (90 % light transmittance).

High-heat resistant Polyamide (PA10T) resin
Newly developed Polyamide with high melting point (Tm 315°C), low water absorption, high flow and eco-friendly (biomass).

Fluoropolymers
Ethylene tetrafluoroethylene (ETFE), Perfluoroalkoxy (PFA) and Polytetrafluoroethylene (PTFE).

TAILOR-MADE COMPOUNDS

Electrical conductive compounds
Thermal conductive compounds
Tribological improved compounds

Thermoplastic Elastomers

HIGH PERFORMANCE POLYOLEFIN ELASTOMER

Low density POE with low crystallinity and high co-monomer content
In blend with PE, PP or PA enhances the impact resistance.

PP based elastomer with controlled morphology and nano-crystalline structure
Highly transparent, it provides a good flexibility with a superior heat stability.

HIGH PERFORMANCE STYRENE BLOCK COPOLYMER

Fully hydrogenated SEBS

- Middle and low molecular weight modifiers
- Wide range of styrene content and unique polymer structure
- Outstanding compatibility with PP
- Easy processing
- Excellent impact strength

Selective hydrogenated SBBS

- High, middle and low styrene content available
- Good heat resistance
- Excellent processability
- Low odour compared with SBS
- Crosslinking speed equal to EVA, TPO and EPDM

Modified SEBS, SBBS

- Acid and amine modified grades
- Middle and low molecular weight modifiers
- Excellent compatibility with engineering plastics
- Unique compatibility with TPU

S.O.E.™ Unique Styrene Block Copolymer

- Unique Tg and high solubility parameter
- Excellent vibration and impact absorption
- Fully and partially hydrogenated grades available
- Improved wear and scratch resistance
- Excellent compatibility with polar resins and inorganic fillers