

Ganaplast 6202

Performance Polymer / Propylene Elastomer

Product Description

Ganaplast 6202 is primarily composed of isotactic propylene repeat units with random ethylene distribution, and is produced using proprietary metallocene catalyst technology. It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic compounding which requires excellent filler dispersion and acceptance.

Key Features

- Suitable for a wide range of film and compounding applications which require high filler acceptance such as sound deadening sheets and masterbatches.
- Other typical applications include calendered or extruded sheet/ profiles and injection molded goods.
- Excellent adhesion to conventional or metallocene PP and PE.
- Very good elasticity and toughness.
- Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures.
- Very good chemical resistance and long term aging.
- Particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.
- RoHS compliant.

General Information

Availability	Africa & Middle East, Asia Pacific, Europe, Latin America, North America
Applications	Calendered Profiles, Calendered Sheeting, Cast Film, Extruded Profiles, Extruded Sheeting, Injection Molding, PP/TPE Modification
Uses	Compounding, Film, Packaging
RoHS Compliance	RoHS Compliant
Form(s)	Pellets
Revision Date	07/14/2020

Typical Properties

Property	Typical Value (English)	Typical Value (SI)	Test Based On
Physical			
Density	0.862 g/cm ³	0.862 g/cm ³	Internal Method
Melt Index (190°C/2.16 kg)	9.1 g/10 min	9.1 g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	20 g/10 min	Internal Method
Ethylene Content	15 wt%	15 wt%	Internal Method
Hardness			
Durometer Hardness (Shore A)	64	64	Internal Method
Mechanical			
Tensile Stress at 100%	320 psi	2.2 MPa	Internal Method
Tensile Stress at 300%	370 psi	2.6 MPa	Internal Method
Tensile Strength at Break	> 800 psi	> 5.5 MPa	Internal Method
Tensile Set	15 %	15 %	Internal Method
Elongation at Break	> 800 %	> 800 %	Internal Method
Flexural Modulus - 1% Secant	1900 psi	13 MPa	Internal Method
Elastomers			
Tear Strength (Die C)	183 lbf/in	32.0 kN/m	Internal Method
Thermal			
Vicat Softening Temperature	113 °F	45.2 °C	Internal Method

Processing Statement

Ganaplast polymers have a wide temperature processing window. A good starting point for temperatures is 10°C above the highest melting point. This material does not require drying and can be compounded or used in a dry blend. Use conventional processing knowledge to ensure mixing of the materials.

Additional Information

Please contact Customer Service for food law compliance information. For data specific to chemical resistance, refer to the Technical Literature (TL), Chemical Resistance of Ganaplast Performance Polymer.

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Notes:

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

² Property specified in conventional unit of measure.