

Kuraray SEPTONÂ® PM1 Polypropylene Modified Plastic

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber , Polypropylene (PP)

Material Notes:

Description: SEPTONÂ® is a series of high performance thermoplastic rubbers developed by Kuraray Co. Ltd. using its isoprene technology. SEPTONÂ® resins are a series of hydrogenated styrenic block copolymers, which exhibit rubber-like properties over a wide range of temperatures. SEPTONÂ®'s characteristics include:Excellent Mechanical PropertiesGood WeatherabilityExcellent Low Temperature PropertiesExcellent Electrical PropertiesSuperior Heat ResistanceExcellent Chemical ResistanceLow ToxicitySEPTONÂ® grades are available with a range of Shore A hardness of 35-95 and tensile strengths of 290-5600 psi. SEPTONÂ® resins are highly extendible with fillers, resins and oils, which allows formulation of a variety of hardness for adhesives, sealants and various compounds. As an additive, SEPTONÂ® resins can be used to improve toughness of a variety of plastics. Several SEPTONÂ® grades have U.S. FDA and USP Class VI approval.SEPTONÂ® has a versatile series of grades which can be used in numerous processing techniques such as blow molding, injection molding, extrusion, hot melt and solution coatings. SEPTONÂ® resins are thermoplastics therefore, the scrap is recyclable without significant loss of properties.Formulation (parts by weight): PP (Block Copolymer) - 100, SEPTONÂ® 2002 - 0Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-SEPTON-PM1-Polypropylene-Modified-Plastic.php

Physical Properties	Metric	English	Comments
Melt Flow	29 g/10 min	29 g/10 min	
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Flexural Modulus	0.858 GPa	124 ksi	
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	
	0.700 J/cm	1.31 ft-lb/in	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	

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