

Kuraray SEPTONÂ® S4055 Thermoplastic Rubber

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

SEPTONÂ® is a series of high performance thermoplastic rubbers developed by Kuraray Co. Ltd. using its isoprene technology. SEPTONÂ® resins are 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. Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-SEPTON-S4055-Thermoplastic-Rubber.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------------------------|----------------------------------|--------------------------|
| Specific Gravity | 0.910 g/cc | 0.910 g/cc | ISO 1183 |
| Viscosity | 90 cP @Temperature 30.0 Â°C | 90 cP @Temperature 86.0 Â°F | 5% wt Toluene Solution |
| | 5800 cP @Temperature 30.0 Â°C | 5800 cP @Temperature 86.0 Â°F | 10% wt, Toluene Solution |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
| Styrene Content | 30 % | 30 % | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Physical Form | Crumb | |

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