Kuraray SEPTON® A1 Hot Melt Adhesive

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

Material Notes:

Description: SEPTON® is a series of high performance thermoplastic rubbers developed by Kuraray Co. Ltd. Using its isoprene technology. SEPTON® resins are a series of hydrogenated styrenic block copolymers, which exhibit rubber-like properties over a wide range of temperatures. SEPTON®'s characteristics include:Excellent Mechanical PropertiesGood WeatherabilityExcellent Low Temperature PropertiesExcellent Electrical PropertiesSuperior Heat ResistanceExcellent Chemical ResistanceLow ToxicitySEPTON® grades are available with a range of Shore A hardness of 35-95 and tensile strengths of 290-5600 psi. SEPTON® 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, SEPTON® resins can be used to improve toughness of a variety of plastics. Several SEPTON® grades have U.S. FDA and USP Class VI approval.SEPTON® has a series of grades which can be used in numerous processing techniques such as blow molding, injection molding, extrusion, hot melt and solution coatings. SEPTON® resins are thermoplastics therefore, the scrap is recyclable without significant loss of properties.When blended with a tackifier and a process oil, SEPTON® polymers provide hot melt adhesives having excellent heat and weather resistance.SEPTON® Solubility: Partial to Non-Soluble in: Ethyl Acetate, MEK, Methanol, Ethanol, Acetone, WaterSoluble in: Petroleum Ether, Toluene, Benzene, Hexane and CyclohexaneTackifiers Compatible with SEPTON®:Rubber Phase: Acyclic Saturated Hydrocarbon resins, Hydrogenated Terpene resins, Petroleum resin and Hydrogenated Rosin resinStyrene Phase: Aromatic resins and Styrenic resinsFormulation (parts by weight): SEPTON® 2063 - 100, Acyclic Saturated Hydrocarbon Resin - 300, Paraffinic Process Oil - 100 Information provided by The Kuraray Group.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Kuraray-SEPTON-A1-Hot-Melt-Adhesive.php

Physical Properties	Metric	English	Comments
Brookfield Viscosity	3250 cP	3250 cP	melt viscosity

Mechanical Properties	Metric	English	Comments
Peel Strength	1.07 kN/m	6.11 pli	to polyethylene, 180° peel test, rate of peel = 300mm/min at 25°C
	1.1772 kN/m	6.7171 pli	to stainless steel, 180° peel test, rate of peel = 300mm/min at 25°C

Descriptive Properties	Value	Comments
Cohesion, Static Shear	90 minutes	
Rolling Ball Tack Test	3 balls	measured at 25°C

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