

Kuraray HYBRARÂ® SC1

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

Material Notes:

Description: HYBRARÂ® is another in the series of new high performance thermoplastic rubbers developed by KURARAY using their unique isoprene technology. HYBRARÂ® is a special thermoplastic rubber which exhibits high vibration damping properties at room temperatures. Both hydrogenated and non-hydrogenated grades of HYBRARÂ® are available. In addition to the superior vibration damping properties, hydrogenated grades also exhibit excellent miscibility with polypropylene, and may be used to produce blends with excellent transparency, flexibility and mechanical properties. Blends of HYBRARÂ® with ordinary styrenic soft compounds exhibit excellent rebound properties.

Formulation (parts by weight): SEPTONÂ® 4055 - 100, HYBRARÂ® 5127 - 100, Paraffin Oil - 100, Polypropylene - 40 Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-HYBRAR-SC1.php

Physical Properties	Metric	English	Comments
Melt Index of Compound	17 g/10 min	17 g/10 min	
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	51	51	
Tensile Strength, Ultimate	10.3 MPa	1490 psi	
Elongation at Break	850 %	850 %	
Tensile Modulus	0.00100 GPa	0.145 ksi	
Rebound	17 %	17 %	
Compression Set	15 %	15 %	25Â°C, 22 hours

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