

Kuraray HYBRARÂ® H7125 Hydrogenated Thermoplastic Rubber

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. Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-HYBRAR-H7125-Hydrogenated-Thermoplastic-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Brookfield Viscosity	60 cP @Temperature 30.0 Â°C	60 cP @Temperature 86.0 Â°F	20% wt, Toluene solution
Melt Index of Compound	0.70 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.70 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238
	13 g/10 min @Load 10.0 kg, Temperature 200 Â°C	13 g/10 min @Load 22.0 lb, Temperature 392 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	ISO 48
Tensile Strength, Ultimate	8.40 MPa	1220 psi	
Elongation at Break	1000 %	1000 %	
100% Modulus	0.00130 GPa	0.189 ksi	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-14.0 Â°C	6.80 Â°F	DSC heating rate = -10Â° C/min

Chemical Properties	Metric	English	Comments
Styrene Content	20 %	20 %	

Descriptive Properties	Value	Comments
Physical Form	pellet	
Tan Delta Peak Temperature	-5Â°C	

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