

Kuraray HYBRARÂ® PS3 Thermoplastic Rubber-Polystyrene Blend

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber , Polystyrene (PS)

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® and other polymers exhibit excellent vibration damping properties. Mixing Conditions: Twin screw extruder @ 200Â°C Molding Conditions: Injection Molding, Cylinder @ 200Â°C, mold @ 60Â°C Formulation (parts by weight): Polystyrene - 90, HYBRARÂ® 5127 - 10 Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-HYBRAR-PS3-Thermoplastic-Rubber-Polystyrene-Blend.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Ultimate	51.0 MPa	7400 psi	
Elongation at Break	18 %	18 %	
Tensile Modulus	2.255 GPa	327.1 ksi	
Flexural Strength	34.0 MPa	4930 psi	
Flexural Modulus	2.255 GPa	327.1 ksi	

Descriptive Properties	Value	Comments
Loss Factor	0.023	measured by resonance method with a cantilever beam
Tan Delta	0.044	at 0Â°C, measured w/ Rheovibron @ 11 Hz
	0.045	at 40Â°C, measured w/ Rheovibron @ 110 Hz
	0.051	at 25Â°C, measured w/ Rheovibron @ 110 Hz

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China