

Kuraray HYBRARÂ® F1 Foam Compound

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. Damping foams can be produced from HYBRARÂ® compounds by using foaming and curing agents. Mixing Condition: Temperature in kneader = 115 - 120Â°C Curing Condition: Press cure for 12 to 15 min. @ 164Â°C Mold thickness = 10 mm Formulation (parts by weight): HYBRARÂ® 5127 - 70, EVA - 30, Calcium Carbonate - 100, Stearic Acid - 2, DOP - 4, Curing Agent - 0.6, Foaming Agent - 4, Pigment - 0.5 Information provided by The Kuraray Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-HYBRAR-F1-Foam-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.390 g/cc	0.390 g/cc	foam
	1.40 g/cc	1.40 g/cc	compound

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1.70 MPa	247 psi	
Elongation at Break	260 %	260 %	
100% Modulus	0.000900 GPa	0.131 ksi	
Resilience	6.0	6.0	

Descriptive Properties	Value	Comments
Expansion Ratio	3.5	
Linear Expansion	1.41	
Loss Factor	0.094	

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