

Resirene Resirene® 6110 High Impact Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Features:High ImpactEasy ProcessingFDA Rating: 21 CFR 177.1640FlexibilityApplications:Injection MoldingTV CabinetsRemote ControlsToysInformation provided by US distributor Calsak Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resirene-Resirene-6110-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 200 °C	10 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.4 MPa	1800 psi	ASTM D638
Tensile Strength, Yield	15.9 MPa	2310 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Tensile Modulus	2.034 GPa	295.0 ksi	ASTM D638
Izod Impact, Notched	1.04 J/cm	1.95 ft-lb/in	0.5 in.; ASTM D256
	1.23 J/cm	2.30 ft-lb/in	0.125 in.; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	ASTM D648
Flammability, UL94	HB	HB	

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