

Resirene Resirene® 2210 High Impact Polystyrene

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

Material Notes:

Features: Very High Flow Easy Processing Good Gloss Flexibility FDA Rating: 21 CFR 177.1640 High Productivity Applications: Injection Thin Wall Applications Hard to Fill Molds Telephonical Devices Yogurt Cups Toys Compounds and Master Batch Information provided by US distributor Calsak Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resirene-Resirene-2210-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	16 g/10 min @Load 5.00 kg, Temperature 200 °C	16 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.5 MPa	2250 psi	ASTM D638
Tensile Strength, Yield	16.9 MPa	2450 psi	ASTM D638
Elongation at Break	52 %	52 %	ASTM D638
Tensile Modulus	1.924 GPa	279.1 ksi	ASTM D638
Izod Impact, Notched	0.750 J/cm	1.41 ft-lb/in	0.5 in.; ASTM D256
	0.930 J/cm	1.74 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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