

**Resirene Resirene® 2220 Medium Impact Polystyrene**

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

**Material Notes:**

Features:High FlowEasy ProcessingGood GlossHigh Tensile ModulusFDA Rating: 21 CFR 177.1640High ProductivityExternal

LubricatedApplications:InjectionThin Wall ApplicationsHard to Fill MoldsHangersVideo CassettesInformation provided by US distributor

Calsak Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resirene-Resirene-2220-Medium-Impact-Polystyrene.php](http://www.lookpolymers.com/polymer_Resirene-Resirene-2220-Medium-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	23.3 MPa	3380 psi	ASTM D638
Tensile Strength, Yield	24.5 MPa	3550 psi	ASTM D638
Elongation at Break	43 %	43 %	ASTM D638
Tensile Modulus	2.358 GPa	342.0 ksi	ASTM D638
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	0.5 in.; ASTM D256
	0.590 J/cm	1.11 ft-lb/in	0.125 in.; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ASTM D648
Flammability, UL94	HB	HB	

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