

Resirene 4220

High Impact Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene 4220 is a HIPS grade suitable for injection molding processes.

General Information			
UL YellowCard	E85100-251666		
Features	Fast Molding Cycle		
	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Electrical/Electronic Applications		
	Printer		
	Toys		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1880	MPa	ASTM D638
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	49	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	85	J/m	
12.7 mm	80	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Vicat Softening Temperature	80.0	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating (1.52 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 230	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

