

Resirene 2220

Medium Impact Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene 2210 is a MIPS grade suitable for injection molding processes

General Information			
Features	Fast Molding Cycle		
	Good Processability		
	High Flow		
	Medium Impact Resistance		
Uses	Thin-walled Parts		
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)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	44	%	ASTM D638
Flexural Modulus	2180	MPa	ASTM D790
Flexural Strength	34.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	48	J/m	
12.7 mm	43	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	74.0	°C	ASTM D648
Vicat Softening Temperature	83.0	°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	

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