

Resirene 2970

Medium Impact Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene 2970 is a MIPS grade suitable for injection molding processes.

General Information			
Features	Fast Molding Cycle		
	Good Processability		
	High Flow		
	High Gloss		
	Medium Impact Resistance		
Uses	Thin-walled Parts		
	Toys		
Forms	Pellets		
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)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2110	MPa	ASTM D638
Tensile Strength (Yield)	19.0	MPa	ASTM D638
Tensile Elongation (Break)	47	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	69	J/m	
12.7 mm	59	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
Optical	Nominal Value		Test Method
Gloss (60°)	85		ASTM D2457
Injection	Nominal Value	Unit	

Processing (Melt) Temp	200 to 230	°C
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