

Resirene 6110

High Impact Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene 6110 is a HIPS grade suitable for injection molding processes.

General Information			
UL YellowCard	E85100-251667		
Features	Fast Molding Cycle		
	Good Processability		
	High Flow		
	High Impact Resistance		
Uses	Toys		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	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	1660	MPa	ASTM D638
Tensile Strength (Yield)	15.0	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	1660	MPa	ASTM D790
Flexural Strength	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	110	J/m	
12.7 mm	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0	°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	

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