

Resirene 7600

High Impact Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene 7600 is a HIPS grade suitable for extrusion processes.

General Information	
UL YellowCard	E85100-251670
Features	Fast Molding Cycle
	Good Processability
	High Impact Resistance
	Medium Flow
Uses	Computer Components
	Toys
Agency Ratings	FDA 21 CFR 177.1640
Processing Method	Extrusion
	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)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1790	MPa	ASTM D638
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Tensile Elongation (Break)	53	%	ASTM D638
Flexural Modulus	1750	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	96	J/m	
12.7 mm	91	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
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	80.0	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	200	°C
Cylinder Zone 5 Temp.	210	°C
Die Temperature	210	°C

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