

TOTAL Polystyrene Compound 260-50

High Impact Polystyrene

TOTAL Refining & Chemicals

Message:

TOTAL POLYSTYRENE 260-50 is an easy flow, high impact polystyrene for injection molding application. 260-50 contains a significant level of recycled polystyrene. This grade is recommended for manufacturing of articles which require good dimensional stability.

Applications

TV Cover

Office Automation

Electric and Electronic

General Information			
UL YellowCard	E314268-100995432		
Recycled Content	Yes		
Features	Good dimensional stability Impact resistance, high Good liquidity		
Uses	Electrical/Electronic Applications TV housing Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.70	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ISO 306/A50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	IEC 60093
Dielectric Strength	160	kV/mm	
Flammability	Nominal Value	Unit	Test Method

Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	70	°C
Drying Time	2.0	hr
Processing (Melt) Temp	< 240	°C

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