

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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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