TOTAL Polystyrene Compound 881

High Impact Polystyrene

TOTAL Refining & Chemicals

Message:

TOTAL POLYSTYRENE 881 is a high flow, V0 brominated flame retardant, high impact polystyrene for injection molding application. This grade is recommended for manufacturing of articles which require good dimensional stability.
Applications
TV Cover
Office Automation
Electric and Electronic

General Information			
Features	Good dimensional stability Impact resistance, high High liquidity brominated Flame retardancy		
Uses	Electrical/Electronic Applications TV housing Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.18	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.70	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	93		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	7.0	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	90.0	°C	ISO 306/A50
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+13	ohms	IEC 60093

Dielectric Strength	150	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.4 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	< 240	°C	

Recommended distributors for this material

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