TOTAL Polystyrene Compound 260-90

High Impact Polystyrene

TOTAL Refining & Chemicals

Message:

Polystyrene Compound 260-90 is an easy flow, HB recycled high impact polystyrene for injection molding application.
It contains 90% of recycled polystyrene.
It is recommended for the manufacturing of articles which require good dimensional stability.
Applications:
TV Cover
Office Automation
Electrical and Electronic

General Information			
Recycled Content	Yes, 90%		
Features	Good dimensional stability Impact resistance, good Recyclable materials Good liquidity		
Uses	Electrical/Electronic Applications TV housing Business equipment		
Agency Ratings	EC 1907/2006 (REACH)		
UL File Number	E314268		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.02 - 1.04	g/cm³	ASTM D792
Apparent Density	0.60	g/cm³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0 - 8.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Water Absorption			
Balance	< 0.10	%	ASTM D570
Equilibrium, 23°C, 50% RH	< 0.10	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C, Injection Molded)	20.0 - 30.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, 23°C, Injection Molded)	25 - 40	%	ASTM D638, ISO 527-2
Flexural Modulus (23°C, Injection Molded)	1800 - 2400	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, injection molding	54 - 81	J/m	ASTM D256

23°C, injection molding	6.0 - 9.0	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	85.0 - 95.0	°C	ISO 306/A50, ASTM D1525 [1]
Heat Distortion			
--	70 - 85	°C	ISO 75-2
--	70 - 85	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Rear Temperature	160 - 180	°C	
Middle Temperature	180 - 200	°C	
Front Temperature	190 - 210	°C	
Nozzle Temperature	210 - 230	°C	
Injection instructions			
Zone 4 Temperature: 200 to 220°C			
NOTE			
1.	速率 A (50°C/h), 压 力1 (10N)		

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