TECHNO ABS R5601B

Polycarbonate + ABS

Techno Polymer America, Inc.

Message:

Designed for automobile instrument panels illuminated by the light source, which makes the backlight soft and diffusible
Offering safety with ductile fracture property, which the conventional translucent PC with diffusing agents can not materialize
Superior mold-ability to enable greater design flexibility and reduced scrap
The best material for illuminated instrument panels to meet the higher safety standard in collisions

General Information			
Features	Ductile Good Moldability		
Uses	Automotive Instrument Panel		
Appearance	Translucent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	41	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	59.0	MPa	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	99.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C	7.0	J/m	
23°C	59	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	119	°C	ASTM D648
Optical	**Nominal Value**	**Unit**	
Transmittance			
Regular	98.0	%	
Total	56.0	%	
Haze	78	%	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	98.9 to 110	°C	
Drying Time	3.0 to 5.0	hr	

Rear Temperature	229 to 271	°C
Middle Temperature	229 to 271	°C
Front Temperature	229 to 271	°C
Mold Temperature	37.8 to 71.1	°C

Recommended distributors for this material

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