

TECHNO ABS R5405A

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)	18	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)	57.0	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	15	J/m	
23°C	60	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	8.0	%	
Total	58.0	%	
Haze	100	%	
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

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Recommended distributors for this material

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