

TECHNO ABS 440

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 440 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.

General Information			
Features	Paintable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	36	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	105		ASTM D785
R-Scale	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	41.0	MPa	ASTM D638
Yield	40.0	MPa	ISO 527-2
Flexural Modulus			
--	2470	MPa	ASTM D790
--	2030	MPa	ISO 178
Flexural Strength			
--	71.0	MPa	ASTM D790
--	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	28	kJ/m ²	ISO 179
Notched Izod Impact	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	91.0	°C	ASTM D648
0.45 MPa, Unannealed	77.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 5.0	hr	
Rear Temperature	190 to 260	°C	
Middle Temperature	190 to 260	°C	

Front Temperature	190 to 260	°C
Mold Temperature	40.0 to 80.0	°C

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