

TECHNO ABS 545L

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 545L is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Heat Resistant

Impact Resistant

Low Gloss

General Information			
Features	Good Impact Resistance		
	High Heat Resistance		
	Low Gloss		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.8	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	110		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	42.2	MPa	ASTM D638
Yield	40.0	MPa	ISO 527-2
Flexural Modulus			
--	2400	MPa	ASTM D790
--	2000	MPa	ISO 178
Flexural Strength			
--	71.6	MPa	ASTM D790
--	63.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m²	ISO 179
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	104	°C	ASTM D648

0.45 MPa, Unannealed	87.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°C	
Drying Time	2.0 to 5.0	hr	
Rear Temperature	220 to 270	°C	
Middle Temperature	220 to 270	°C	
Front Temperature	220 to 270	°C	
Mold Temperature	40.0 to 80.0	°C	

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