

TECHNO ABS 560

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 560 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America. Primary characteristic: heat resistant.

General Information			
Features	High Heat Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	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	43.1	MPa	ASTM D638
Yield	42.0	MPa	ISO 527-2
Flexural Modulus			
--	2400	MPa	ASTM D790
--	2000	MPa	ISO 178
Flexural Strength			
--	71.6	MPa	ASTM D790
--	64.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	110	°C	ASTM D648
0.45 MPa, Unannealed	96.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	Test Method
Drying Temperature	90.0 to 100	°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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

