

TECHNO ABS 620

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 620 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by blow molding or extrusion and is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
UL YellowCard	E54297-244327		
Features	High Impact Resistance		
UL File Number	E54297		
Processing Method	Blow Molding		
	Extrusion		

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)	5.5	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	102		ASTM D785
R-Scale	94		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	42.2	MPa	ASTM D638
Yield	38.0	MPa	ISO 527-2
Flexural Modulus			
--	2160	MPa	ASTM D790
--	1750	MPa	ISO 178
Flexural Strength			
--	69.6	MPa	ASTM D790
--	59.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	28	kJ/m ²	ISO 179
Notched Izod Impact	280	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	89.0	°C	ASTM D648
0.45 MPa, Unannealed	77.0	°C	ISO 75-2/B

Flammability	Nominal Value	Test Method
Flame Rating (ALL)	HB	UL 94

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 5.0	hr
Cylinder Zone 1 Temp.	170 to 240	°C
Cylinder Zone 2 Temp.	170 to 240	°C
Cylinder Zone 3 Temp.	170 to 240	°C
Cylinder Zone 4 Temp.	170 to 240	°C
Cylinder Zone 5 Temp.	170 to 240	°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

