

TECHNO ABS F1384

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS F1384 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:

Flame Rated

Flame Retardant

Halogen Free

General Information			
UL YellowCard	E54297-244144		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	42	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	109		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	51.0	MPa	ASTM D638
Yield	48.0	MPa	ISO 527-2
Flexural Modulus			
--	2830	MPa	ASTM D790
--	2310	MPa	ISO 178
Flexural Strength			
--	87.3	MPa	ASTM D790
--	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	19	kJ/m²	ISO 179
Notched Izod Impact	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, Unannealed	84.0	°C	ASTM D648
0.45 MPa, Unannealed	72.0	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, ALL)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	2.0 to 5.0	hr	
Rear Temperature	180 to 230	°C	
Middle Temperature	180 to 230	°C	
Front Temperature	180 to 230	°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

