TECHNO ABS F1150

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS F1150 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
Good UV Resistance

General Information			
UL YellowCard	E54297-244219		
Additive	Flame Retardant		
Features	Flame Retardant Good UV Resistance		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.11	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	52	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.60	%	ISO 294-4
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	108		ASTM D785, ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield	46.1	MPa	ASTM D638
Yield	46.0	MPa	ISO 527-2
Flexural Modulus			
--	2550	MPa	ASTM D790
--	2270	MPa	ISO 178
Flexural Strength			
--	74.5	MPa	ASTM D790
--	71.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	10	kJ/m²	ISO 179
Notched Izod Impact	120	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	90.0	°C	ASTM D648

0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
0.750 mm, ALL	V-2	
2.50 mm, ALL	V-2	

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

Recommended distributors for this material

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