TECHNO ABS 400

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 400 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
Chemical Resistant

General Information			
UL YellowCard	E54297-244320		
Features	Good Chemical Resistance		
UL File Number	E54297		
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)	23	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	114		ASTM D785
R-Scale	109		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield	54.9	MPa	ASTM D638
Yield	49.0	MPa	ISO 527-2
Flexural Modulus			
--	2940	MPa	ASTM D790
--	2400	MPa	ISO 178
Flexural Strength			
--	93.2	MPa	ASTM D790
--	76.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	16	kJ/m²	ISO 179
Notched Izod Impact	170	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	93.0	°C	ASTM D648
0.45 MPa, Unannealed	79.0	°C	ISO 75-2/B
Flammability	**Nominal Value**		**Test Method**

Flame Rating (ALL)	HB	UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	190 to 260	°C
Middle Temperature	190 to 260	°C
Front Temperature	190 to 260	°C
Mold Temperature	40.0 to 80.0	°C

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Recommended distributors for this material

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