

EXCELLOY WX152

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

EXCELLOY WX152 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.

General Information			
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	107		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	47.0	MPa	ASTM D638
Yield	43.0	MPa	ISO 527-2
Flexural Modulus			
--	4320	MPa	ASTM D790
--	3790	MPa	ISO 178
Flexural Strength			
--	81.0	MPa	ASTM D790
--	74.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.1	kJ/m ²	ISO 179
Notched Izod Impact	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	86.0	°C	ASTM D648
0.45 MPa, Unannealed	79.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	Test Method
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 5.0	hr	
Cylinder Zone 1 Temp.	200	°C	
Cylinder Zone 2 Temp.	200	°C	

Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 4 Temp.	200	°C
Cylinder Zone 5 Temp.	200	°C

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