

TECHNO AES W270

Acrylonitrile Ethylene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO AES W270 is an Acrylonitrile Ethylene Styrene (AES) product. It can be processed by blow molding or extrusion and is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Good Weather Resistance

General Information			
Features	Good Weather Resistance		
UL File Number	E54297		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	93		ASTM D785
R-Scale	89		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	39.2	MPa	ASTM D638
Yield	39.0	MPa	ISO 527-2
Flexural Modulus			
--	1960	MPa	ASTM D790
--	1740	MPa	ISO 178
Flexural Strength			
--	63.7	MPa	ASTM D790
--	56.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	40	kJ/m ²	ISO 179
Notched Izod Impact	370	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	92.0	°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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