

TECHNO AES W240

Acrylonitrile Ethylene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO AES W240 is an Acrylonitrile Ethylene Styrene (AES) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Good Weather Resistance

Impact Resistant

General Information			
UL YellowCard	E54297-244106		
Features	Good Weather Resistance		
	Medium Impact Resistance		
UL File Number	E54297		
Processing Method	Injection Molding		
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)	18	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	105		ASTM D785
R-Scale	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	49.0	MPa	ASTM D638
Yield	48.0	MPa	ISO 527-2
Flexural Modulus			
--	2450	MPa	ASTM D790
--	2200	MPa	ISO 178
Flexural Strength			
--	82.4	MPa	ASTM D790
--	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	18	kJ/m ²	ISO 179
Notched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			

0.45 MPa, Unannealed	95.0	°C	ASTM D648
0.45 MPa, Unannealed	78.0	°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	50.0 to 100	°C	

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Recommended distributors for this material

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