

TECHNO AES W245

Acrylonitrile Ethylene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO AES W245 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:

Good Weather Resistance

Heat Resistant

Impact Resistant

General Information			
Features	Good Weather Resistance		
	High Heat Resistance		
	Medium Impact Resistance		
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)	6.3	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	100		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			
--	73.5	MPa	ASTM D790
--	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	18	kJ/m²	ISO 179
Notched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	98.0	°C	ASTM D648

0.45 MPa, Unannealed	83.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°C	
Drying Time	2.0 to 5.0	hr	
Rear Temperature	220 to 270	°C	
Middle Temperature	220 to 270	°C	
Front Temperature	220 to 270	°C	
Mold Temperature	50.0 to 100	°C	

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