

TECHNO AES W210

Acrylonitrile Ethylene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO AES W210 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

Impact Resistant

General Information			
Features	Good Weather Resistance		
	Medium Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19	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	108		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	51.0	MPa	ASTM D638
Yield	49.0	MPa	ISO 527-2
Flexural Modulus			
--	2550	MPa	ASTM D790
--	2220	MPa	ISO 178
Flexural Strength			
--	82.4	MPa	ASTM D790
--	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m²	ISO 179
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	89.0	°C	ASTM D648
0.45 MPa, Unannealed	77.0	°C	ISO 75-2/B
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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