

EXCELLOY CW50

Acrylonitrile Ethylene Styrene + PC

Techno Polymer Co, Ltd.

Message:

EXCELLOY CW50 is an Acrylonitrile Ethylene Styrene + PC (AES+PC) product. It can be processed by injection molding and is available in Asia Pacific or North America. Primary characteristic: good weather resistance.

General Information			
Features	Good Weather Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	30	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	115		ASTM D785
R-Scale	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	58.8	MPa	ASTM D638
Yield	56.0	MPa	ISO 527-2
Flexural Modulus			
--	2500	MPa	ASTM D790
--	2100	MPa	ISO 178
Flexural Strength			
--	93.2	MPa	ASTM D790
--	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	40	kJ/m ²	ISO 179
Notched Izod Impact	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	116	°C	ASTM D648
0.45 MPa, Unannealed	102	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°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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