

Novalloy-E E11

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Novalloy-E E11 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Novalloy-E E11: Flame Rated.

General Information			
UL YellowCard	E47773-239459		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.0	MPa	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	28	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	88.0	°C	ASTM D648
1.8 MPa, Unannealed	77.0	°C	ISO 75-2/A
CLTE - Flow	9.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	2.0E+12	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	180 to 200	°C	
Middle Temperature	210 to 220	°C	
Front Temperature	220 to 230	°C	
Nozzle Temperature	210 to 220	°C	
Mold Temperature	40.0 to 70.0	°C	
Back Pressure	10.0 to 20.0	MPa	

Screw Speed

60 to 90

rpm

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Recommended distributors for this material

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