

Novalloy-E E10

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Novalloy-E E10 is an acrylonitrile butadiene styrene (ABS) material. This product is available in the Asia-Pacific region. The main characteristics of Novalloy-E E10 are: flame retardant/rated flame.

General Information			
UL YellowCard	E47773-239458		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	39.0	MPa	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	61.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	28	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+11	ohms	ASTM D257
Volume Resistivity	3.0E+11	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	4.0 - 5.0	hr	
Rear Temperature	180 - 200	°C	
Middle Temperature	210 - 220	°C	
Front Temperature	220 - 230	°C	
Nozzle Temperature	210 - 220	°C	
Mold Temperature	40.0 - 70.0	°C	
Back Pressure	10.0 - 20.0	MPa	
Screw Speed	60 - 90	rpm	

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