

Novalloy-E E80

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Novalloy-E E80 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Novalloy-E E80: Flame Rated.

General Information			
UL YellowCard	E47773-239461		
Physical	Nominal Value	Unit	Test Method
Density	1.10	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
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress	56.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	85.0	°C	ASTM D648
1.8 MPa, Unannealed	75.0	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3000 μm)	86.0	%	ASTM D1003
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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

