

Cevian® AF800

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian® AF800 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Cevian® AF800: Flame Rated.

General Information			
UL YellowCard	E47773-571499		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	74.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
CLTE - Flow	9.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating (0.750 mm)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	180 to 200	°C	
Middle Temperature	200 to 220	°C	
Front Temperature	220 to 240	°C	
Nozzle Temperature	220 to 240	°C	
Mold Temperature	40.0 to 50.0	°C	
Back Pressure	5.00 to 15.0	MPa	
Screw Speed	40 to 60	rpm	

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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

