

Cevian®-V 460M

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian® -V 460M is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	43.0	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	21	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	200 to 230	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	240 to 260	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	10.0 to 20.0	MPa	
Screw Speed	50 to 100	rpm	

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Recommended distributors for this material

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