

Cevian®-V T140

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian®-V T140 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America. The main characteristics are: high strength.

General Information			
Features	High strength		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	48.3	MPa	ASTM D638
Flexural Modulus (23°C)	2340	MPa	ASTM D790
Flexural Strength (23°C)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	110	J/m	ASTM D256
23°C, 6.35 mm	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	88.9	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	88.0	%	ASTM D1003
Additional Information			
Specific Gravity, ASTM D792, 73°F, 50% RH: 1.07Water Absorption, ASTM D570, 73°F, 24 hr: 0.3 %			
Injection	Nominal Value	Unit	
Drying Temperature	79.4 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	180 - 200	°C	
Middle Temperature	200 - 220	°C	
Front Temperature	220 - 240	°C	
Processing (Melt) Temp	230 - 250	°C	

Mold Temperature	48.9 - 60.0	°C
Injection Pressure	34.5 - 103	MPa
Injection Rate	Moderate-Fast	
Back Pressure	0.689 - 2.07	MPa
Screw Speed	60 - 80	rpm

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