

Novodur® MH-102

Acrylonitrile Butadiene Styrene

Styrolution

Message:

Novodur MH-102 is a medium heat injection molding grade. It provides an excellent balance of physical and mechanical properties.

General Information			
Features	High Stiffness		
	Medium Heat Resistance		
Uses	Automotive Interior Parts		
	Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	52.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	21	%	ASTM D638
Flexural Modulus	1970	MPa	ASTM D790
Flexural Strength	81.4	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD	2790	MPa	ASTM D882
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	260	J/m	ASTM D256
Gardner Impact	36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	103	°C	
1.8 MPa, Unannealed	100	°C	
Vicat Softening Temperature	102	°C	ISO 306/A50
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	40.0 to 80.0	°C	

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