

Novodur® P2MT

Acrylonitrile Butadiene Styrene

Styrolution

Message:

Novodur P2MT is a high heat, high impact ABS grade for automotive applications

General Information			
Features	High Heat Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	8.00	cm ³ /10min	ISO 1133
Molding Shrinkage	0.45 to 0.65	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	105	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	47.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 15	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	8.0	kJ/m ²	
23°C	18	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	107	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 260	°C	

Mold Temperature	70.0	°C
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NOTE

1. Rate B (120°C/h), Loading 2 (50 N)

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