

Novodur® 530

Acrylonitrile Butadiene Styrene

Styrolution

Message:

Novodur 530 is an extrusion grade optimized for sheet applications. It has high impact properties, high modulus and good thermoforming.

General Information			
UL YellowCard	E256400-520826		
Features	Impact resistance, high		
Uses	Electrical appliances		
	Sheet		
	Application in Automobile Field		
	Sporting goods		
	Toys		
Forms	Particle		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	3.50	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	41.0	MPa	ISO 527-2
Tensile Strain (Break)	> 25	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/A
-30°C	13	kJ/m ²	ISO 180/A
-20°C	20	kJ/m ²	ISO 180/A
23°C	30	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, annealed	95.0	°C	ISO 75-2/B

1.8 MPa, annealed	91.0	°C	ISO 75-2/A
Vicat Softening Temperature	98.0	°C	ASTM D1525 ¹
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	90		ASTM D523
NOTE			
1.	标准 B (120°C/h), 载荷2 (50N)		

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