

Novodur® HG-36

Acrylonitrile Butadiene Styrene
Styrolution

Message:

Novodur BX13036 is a new PMMA/ABS blend with high surface quality, enhanced scratch resistance and balanced mechanical properties

General Information			
Features	Good Surface Finish		
	High Gloss		
	Scratch Resistant		
Uses	Appliances		
	Cosmetics		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	16.0	cm³/10min	ISO 1133
Molding Shrinkage	0.50 to 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	48.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m²	
23°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	26	kJ/m²	
23°C	60	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	100	°C	ISO 306/A50
--	92.0	°C	ISO 306/B50
CLTE - Flow	8.0E-5 to 1.1E-4	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	DIN 52612

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+18	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112

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	60.0 to 80.0	°C

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