

## Styrolution Novodur® 530 ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styrolution-Novodur-530-ABS.php](http://www.lookpolymers.com/polymer_Styrolution-Novodur-530-ABS.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ISO 294-4
Melt Flow	3.5 g/10 min @Load 10.0 kg, Temperature 220 °C	3.5 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	IEC 2039-2
Tensile Strength, Yield	41.0 MPa	5950 psi	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Tensile Modulus	2.20 GPa	319 ksi	ISO 527
Flexural Strength	66.0 MPa	9570 psi	ISO 178
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	6.19 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/A
	20.0 kJ/m <sup>2</sup> @Temperature -20.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 180/A
	30.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	14.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ISO 75

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 Å°C @Load 5.10 kg	208 Å°F @Load 11.2 lb	120Å°C/h; ASTM D 1525

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Specular Gloss, 60Å°; ASTM D 523

## Contact Songhan Plastic Technology Co.,Ltd.

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