

## Styrolution NOVODUR® P2H-AT ABS, Injection Grade

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

### Material Notes:

Standard injection molding grade, easy flow, high gloss, hard, antistatic. Applications: Telephones, household goods, video and audio industry, office equipment.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styrolution-NOVODUR-P2H-AT-ABS-Injection-Grade.php](http://www.lookpolymers.com/polymer_Styrolution-NOVODUR-P2H-AT-ABS-Injection-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Water Absorption	0.30 %	0.30 %	Saturation in water
Water Absorption at Saturation	0.30 %	0.30 %	
Melt Flow	37 g/10 min @Load 10.0 kg, Temperature 220 °C	37 g/10 min @Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	
Elongation at Yield	2.1 %	2.1 %	
Tensile Modulus	2.60 GPa	377 ksi	
Charpy Impact Unnotched	NB	NB	
	0.500 J/cm <sup>2</sup> @Temperature -30.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	
Charpy Impact, Notched	1.60 J/cm <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	
Tensile Creep Modulus, 1 hour	2200 MPa	319000 psi	
Tensile Creep Modulus, 1000 hours	1500 MPa	218000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 Å°C	203 Å°F	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Constant	3.0 @Frequency 1e+6 Hz	3.0 @Frequency 1e+6 Hz	
	3.2 @Frequency 100 Hz	3.2 @Frequency 100 Hz	
Dielectric Strength	32.0 kV/mm	813 kV/in	
Dissipation Factor	0.0080 @Frequency 1e+6 Hz	0.0080 @Frequency 1e+6 Hz	
	0.015 @Frequency 100 Hz	0.015 @Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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