

## Ineos ABS NOVODUR® P3TF ABS, Injection Grade (discontinued \*\*)

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

### Material Notes:

Injection molding grade, improved flow. Applications: Automotive industry: e.g. wheel trims, instrument panel components. Information provided by the manufacturer. Novodur is produced by Styrolution (2014). This grade was discontinued prior to Styrolution's acquisition of the Novodur product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-ABS-NOVODUR-P3TF-ABS-Injection-Grade-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-ABS-NOVODUR-P3TF-ABS-Injection-Grade-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	
Water Absorption	0.30 %	0.30 %	Saturation in water
Water Absorption at Saturation	0.30 %	0.30 %	
Melt Flow	4.0 g/10 min @Load 10.0 kg, Temperature 220 °C	4.0 g/10 min @Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	
Elongation at Yield	2.6 %	2.6 %	
Tensile Modulus	3.00 GPa	435 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	226 °F	
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	
Vicat Softening Point	112 °C	234 °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	

Electrical Properties	Metric 15 ohm	English 5 ohm	Comments
Dielectric Constant	2.9	2.9	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.0	3.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	31.0 kV/mm	787 kV/in	
Dissipation Factor	0.0070	0.0070	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0080	0.0080	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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