

## Solvay TECHNYLSTAR<sup>®</sup>,ç A205 F Natural S PA6, Eh 0

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

### Material Notes:

Description: TECHNYLSTAR A205 F NATURAL S is a polyamide 6.6 with low viscosity for fast cycle molding. Colors: it is supplied in natural color. Available in: Latin America and North America Main Properties: High Fluidity, V2 UL 94 Classification and Glow wire Resistance

Applications: This product is indicated for various applications at automotive and electric & electronic industries. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYLSTAR-A205-F-Natural-S-PA6-Eh-0.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYLSTAR-A205-F-Natural-S-PA6-Eh-0.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527
Elongation at Break	32 %	32 %	ISO 527
Tensile Modulus	3.30 GPa	479 ksi	ISO 527
Flexural Modulus	3.07 GPa	445 ksi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	0.340 J/cm <sup>2</sup>	1.62 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	69.0 Â°C	156 Â°F	ISO 75
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Glow Wire Test	960 Â°C	1760 Â°F	CEI 695

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	CEI 93
Dielectric Constant	2.9	2.9	CEI 250

Dielectric Strength Electrical Properties	27.0 kV/mm Metric	686 kV/in English	CEI 93 Comments
Dissipation Factor	0.030	0.030	CEI 250
Comparative Tracking Index	600 V	600 V	CEI 112

Processing Properties	Metric	English	Comments
Feed Temperature	265 - 275 Å°C	509 - 527 Å°F	
Mold Temperature	60.0 - 80.0 Å°C	140 - 176 Å°F	

Descriptive Properties	Value	Comments
Compression Zone	270-285Å°C	
Mixing Zone	270-285Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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