

## Solvay Technyl® C 206 Nylon 6, EH0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

### Material Notes:

Unreinforced Polyamide PA6, standard for fast cycling, for injection molding. Technyl C 206 has high fluidity and good mold release, favored by a high crystallization rate. It is specially suitable for the production of technical molding with fast injection cycles. This product is available in natural. Information provided by Rhodia; Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Technyl-C-206-Nylon-6-EH0.php](http://www.lookpolymers.com/polymer_Solvay-Technyl-C-206-Nylon-6-EH0.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183-A
Water Absorption	1.3 %	1.3 %	24 hours in water at 23°C; ISO 62.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ISO 527
Elongation at Break	120 %	120 %	ISO 527
Tensile Modulus	2.85 GPa	413 ksi	ISO 527
Flexural Yield Strength	115 MPa	16700 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Izod Impact Resistance	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C	38.9 µin/in-°F	ISO 3146-C
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	222 °C	432 °F	ISO 3146-C
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75-2
Flammability, UL94	V-2	V-2	ISO 1210/UL 94
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 93
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 93

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	IEC 250
Dissipation Factor	0.023 @Frequency 1e+6 Hz	0.023 @Frequency 1e+6 Hz	IEC 250

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	220 - 230 Å°C	428 - 446 Å°F	
Middle Barrel Temperature	225 - 235 Å°C	437 - 455 Å°F	
Front Barrel Temperature	230 - 240 Å°C	446 - 464 Å°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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