

Solvay TECHNYL® 2210HS PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Polyamide 66, unfilled, long-term stabilized, lubricated for injection molding. Available in: Asia Pacific Product Applications: TECHNYL® 2210HS is used in all sectors of industry, offering an excellent long-term heat stability & productivity. This grade is used for: Connector, Pin of automobile, Power steering reservoir tank, Switch, Canister, Fuel filler tube. This product is available in Black color. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-2210HS-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	
Linear Mold Shrinkage, Transverse	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D265

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648
Flammability, UL94	V-2 @Thickness 0.800 - 3.20 mm	V-2 @Thickness 0.0315 - 0.126 in	

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 °C	500 - 518 °F	
Front Barrel Temperature	275 - 285 °C	527 - 545 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-275°C	

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