

Solvay TECHNYL® A 303 Natural FA PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Unreinforced polyamide PA66, very high viscosity, for extrusion. Available in: Europe Product Applications: TECHNYL® A 303 Natural FA offers three main advantages: high impact resistance at low humidity levels, good rigidity, and excellent compression resistance. This grade is particularly suitable for extrusion of plates and profiles. 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-A-303-Natural-FA-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183/A
Water Absorption	1.69 % @Temperature 23.0 °C, Time 86400 sec	1.69 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	ISO 527 Type 1A
Tensile Strength, Yield	84.0 MPa	12200 psi	ISO 527 type 1 A
Elongation at Break	30 %	30 %	ISO 527 Type 1A
Tensile Modulus	3.00 GPa	435 ksi	ISO 527 Type 1A
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	ISO 11357

Processing Properties	Metric	English	Comments
Feed Temperature	240 - 250 °C	464 - 482 °F	
Front Barrel Temperature	240 - 260 °C	464 - 500 °F	
Drying Temperature	80.0 °C	176 °F	
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Compression Zone	240-260°C	

Descriptive Properties

Value 70°C

Comments

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