

**Solvay TECHNYLÂ® R AR 130/GF Nylon 66, 30% glass fiber, DRY**

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

**Material Notes:**

**Description:** TECHNYLÂ® AR 130/GF is a polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection molding. It contains recycled raw materials. This product is available in black color. **Benefits:** The product offers a good combination between thermal and mechanical properties. **Available in:** Europe Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC This grade complies with RoHS directive 2002/95/EC Unless specified, this grade is not suitable for food contact, medical devices or toy applications **Applications:** It is used in a wide variety of industries for applications without severe impact resistance requirements, such as fans and shrouds components in automotive. **Information provided by** Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-R-AR-130GF-Nylon-66-30-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-R-AR-130GF-Nylon-66-30-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/inÂ³	ISO 1183/A
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527 Type 1A
Elongation at Break	2.8 %	2.8 %	ISO 527 Type 1A
Tensile Modulus	9.20 GPa	1330 ksi	ISO 527 Type 1A
Flexural Strength	227 MPa	32900 psi	ISO 178
Flexural Modulus	8.25 GPa	1200 ksi	ISO 178
Izod Impact, Unnotched (ISO)	44.0 kJ/mÂ²	20.9 ft-lb/inÂ²	ISO 180/1U
Charpy Impact Unnotched	5.00 J/cmÂ²	23.8 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 Â°C	500 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	245 Â°C	473 Â°F	ISO 75/Af

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Â°C	
Mixing Zone	280-290Â°C	

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