

Technical Data

Product Description

TECHNYL AR 130/GF BK is a polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection moulding. It contains recycled raw materials. This grade offers a good combination between thermal and mechanical properties. This product is not suitable for hot runners. The data provided in this document are based on mean values of a significant number of measurements. However as this products contains recycled materials, its properties may vary over a larger range than a material made from virgin raw materials.

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• DOMO Engineering Plastics • TECHNYL®
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Aging Resistant • Heat Stabilized
Uses	• Consumer Applications • General Purpose • Industrial Applications
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-GF30

Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	6000	MPa	ISO 527-1
Tensile Stress (Break)	170	95.0	MPa	ISO 527-2
Tensile Strain (Break)	2.3	7.0	%	ISO 527-2
Flexural Modulus	8250	5500	MPa	ISO 178
Flexural Stress	245	140	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	65	kJ/m ²	ISO 179/1eU
Unnotched Izod Impact Strength (23°C)	38	--	kJ/m ²	ISO 180/1U
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	260	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	--	°C	ISO 75-2/A
Melting Temperature ²	260	--	°C	ISO 11357-3

Injection	Dry Unit
Drying Temperature	80 °C
Suggested Max Moisture	0.20 %
Rear Temperature	270 to 280 °C
Middle Temperature	275 to 285 °C
Mold Temperature	70 to 100 °C

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min



TECHNYL® AR 130/GF BK

Polyamide 66

DOMO Engineering Plastics

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

DOMO Engineering Plastics

Telephone: +49-33862139776 (Germany); +39-04640587676 (Italy)

Web: <http://www.domochemicals.com>

Distributor

AMP FRANCE

Telephone: +33-3-8920-1390

Web: <http://www.amp.fr/>

Availability: France

Bamberger Polymers, Inc.

Bamberger Polymers is a global distribution company. Contact Bamberger Polymers for availability of individual products by country.

Telephone: 516-622-3600

Web: <http://www.bambergerpolymers.com/>

Availability: Canada, Mexico, United States

GAZECHIM PLASTICS FRANCE & ITALY

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: France

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, South Africa, Spain, Sweden, Turkey, United Kingdom

