



TECHNYL 2710IR BRIGHT

Description

TECHNYL[®] 2710 IR Bright is an unfilled polyamide 6.6, impact modified, for injection molding.
The product is available in natural color, and in other colors on request.

Key Properties

Medium impact
Good surface aspect
Fast cycle

Benefits

This product, used in all sector of industry, offers an excellent productivity due to a fast cycle time. It has also a very good surface aspect after molding.

Applications

Battery gaskets, fasteners.

Properties

Typical values of properties are for natural grades

	Standards	Unit	Values	
			d.a.m.	Cond.
Physical				
Water absorption(24h at 23°C)	ISO 62	%	1,10	
Density	ISO 1183/A	g/cm3	1,10	
Molding shrinkage Parallel	RHODIA	%	1,90	
Molding shrinkage normal or perpendicular	RHODIA	%	1,90	
Mechanical				
Tensile strength at yield	ISO 527 Type 1A	MPa	65	
Elongation at break	ISO 527 Type 1A	%	25	
Flexural modulus	ISO 178	MPa	2100	
Flexural maximum stress	ISO 178	MPa	90	
Charpy notched impact strength (23 °C)	ISO 179/1eA	kJ/m2	15	
Charpy unnotched impact strength (23 °C)	ISO 179/1eU	kJ/m2	NB	
Izod notched impact strength (23 °C)	ISO 179/1eA	kJ/m2	22	
Flammability				
Flammability (Thickness: 3,2 mm)	ISO 1210 / UL94		HB	
Limit Oxygen Index	ISO 4589		21	
Thermal				
Melting Temperature	ISO 11357	°C	262	
Heat deflection temperature (1,82 MPa)	ISO 75/Af	°C	92	
Coef of Linear thermal expansion normal or perpendicular (23°C to 85°C)	ISO 11359	E-5/°C	7	
Electrical				
Comparative tracking index (Sol A)	IEC 60112	V	550	
Comparative tracking index (Sol B)	IEC 60112	V	475	
Dielectric strength	IEC 60243	kV/mm	30	16
Dissipation factor	IEC 60250		0,020	0,100
Relative permittivity	IEC 60250		3,20	3,20
Surface resistivity	IEC 60093	Ohm	1E 15	1E 14
Volume resistivity	IEC 60093	Ohm/cm	1E 15	1E 13
Specific				
Identification code			PA66-I	

d.a.m. = dry as moulded

Cond = conditioned

Processing Guide

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment.

Recommended Maximum water content: 0,2 %

Drying conditions: 80 °C

Recommended moulding conditions

Barrel Temperatures:

- feed zone 265 - 270 °C
- compression zone 270 - 280 °C
- mixing zone 280 - 290 °C

Mould temperatures: 70 - 100 °C

Steel advice for tools For unfilled polyamide, Rhodia recommends the use of high alloy steel with a weak chromium content. For example: 35NC6 or 35CD4.

Disclaimer

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Safety information

Detailed information regarding safety are available on the safety data sheet (SDS).
SDS is sent with the first material order, or available by contacting our customer services

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

Customer services

Our customer services are not only concerned with manufacturing and supply of Engineering Plastics products. We are available to assist our customers in finding technical solutions that meet their requirements. Specific support is in particular offered on:

- Material selection
- Material testing
- Parts design advice, training for design engineers
- Part testing
- Processing through different technologies
- Assembly and post-processing technology expertise
- Parts optimization through Computer Aided Design

You can find more information on Rhodia Product range on our internet product finder at the following address:

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