



TECHNYL

TECHNYL[®] 2710ST

Description Polyamide 66, unfilled, high impact modified at low temperature for injection molding.

Applications TECHNYL 2710ST is used in all sectors of industry, offering an excellent mechanical property, Impact strength at low temperature.

This grade is used for

- Castor, Roller Skate, Mower Cover, Bowling Pin, Helmet

This product is available in Natural & Black color.(Other colors will be discussed)

Processing The material is supplied in airtight bags, ready for use. In the case that the virgin material has absorbed moisture, it must be dried to final moisture content less than 0.2% with a dehumidified air drying equipment at approx. 80°C.

Recommended molding conditions :

Barrel temperatures : - feed zone	280°C
- compression zone	290°C
- front zone	295°C

Mold temperatures : 60 ~ 80°C

For more detailed information, please refer to the technical sheet "Injection molding"

Safety Please refer to the Material Safety Data Sheet.



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TECHNYL[®] 2710ST

Main Properties

Measurements at 23°C

The values of properties are for natural grade.

Properties	Standards	Unit	Values	
			RH 0-23°C	RH 50-23°C
<u>Physical</u>				
Moisture adsorption 24h at 23°C	ASTM D570	%	-	-
Specific gravity	ASTM D792	-	1.07	-
Mould shrinkage (flow)	Rhodia-EP	%	1.9~2.8	-
Mould shrinkage (transverse)	Rhodia-EP	%	2.1~3.0	-
<u>Mechanical</u>				
Tensile strength at yield	ASTM D638	MPa	55	-
Elongation at break	ASTM D638	%	80	-
Flexural stress at break	ASTM D790	MPa	70	-
Flexural modulus	ASTM D790	MPa	1850	-
Izod notched impact strength	ASTM D256	J/m	930	-
Rockwell hardness	ASTM D786	R scale	110	-
<u>Thermal</u>				
Melting point	ASTM D3418	°C	260	-
Heat Deflection Temperature 4.6kgf/cm ²	ASTM D648	°C	200	-
Heat Deflection Temperature 18.6kgf/cm ²	ASTM D648	°C	63	-
Coefficient of linear thermal expansion	ASTM D696	10 ⁻⁵ . °C	-	-
Flammability	UL 94		HB	-
<u>Electrical</u>				
Dielectric strength	ASTM D149	kV/mm	-	-
Dissipation factor 1MHz	ASTM D150	-	-	-
Volume resistivity	ASTM D257	E14.ohm.cm	-	-
Arc resistance (tungsten electrode)	ASTM D495	Second	-	-
<u>Specific</u>				

Identification code

> PA 66 <

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