



TECHNYL[®] 1015CRT

Description

Polyamide 6, unfilled, high crystalline & mold release resin for injection molding

Applications

TECHNYL 1015CRT is used in all sectors of industry, offering an excellent flow ability and fast cycle characteristic

This grade is used for

- Fastener, Clip, Gear, Bobbin

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	230°C
	- compression zone	240°C
	- front zone	250°C

Mold temperatures :	60 ~ 80°C
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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[®] 1015CRT

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 absorption 24h at 23°C	ASTM D570	%	1.70	-
	Specific gravity	ASTM D792	-	1.14	-
	Mould shrinkage (flow)	Rhodia-EP	%	1.1~1.5	-
	Mould shrinkage (transverse)	Rhodia-EP	%	1.2~1.6	-
<u>Mechanical</u>	Tensile strength at yield	ASTM D638	MPa	82	-
	Elongation at break	ASTM D638	%	40	-
	Flexural stress at break	ASTM D790	MPa	115	-
	Flexural modulus	ASTM D790	MPa	2850	-
	Izod notched impact strength	ASTM D256	J/m	40	-
	Rockwell hardness	ASTM D786	R scale	116	-
<u>Thermal</u>	Melting point	ASTM D3418	°C	222	-
	Heat Deflection Temperature 4.6kgf/cm ²	ASTM D648	°C	180	-
	Heat Deflection Temperature 18.6kgf/cm ²	ASTM D648	°C	60	-
	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 6 <

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