

### Description

Unreinforced polyamide PA6, high viscosity, containing monomer, for extrusion.

### Product Applications

It is suitable for applications requiring high flexibility and high impact strength.

This product is available in natural.

### 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 a final moisture content less than 0.2% with a dehumidified air drying equipment at approx. 80°C.

Recommended moulding conditions:

- Barrel temperatures:

feed zone	225 - 230°C
compression zone	230 - 240°C
front zone	235 - 245°C

- Mould temperatures : 40 °C

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

### Safety

Please refer to the Safety Data Sheet



# TECHNYL® C 402 M

The values of properties are for natural grade.

Properties	Standards	Unit	Values	
<b>Physical</b>				
Water absorption (24 h at 23°C)	ISO 62	%	1.90	-
Density	ISO 1183-A	g/cm <sup>3</sup>	1.14	-
<b>Mechanical</b>				
Tensile modulus	ISO 527 type 1 A	MPa	1200	550
Tensile strength at yield	ISO 527 type 1 A	MPa	55	35
Flexural modulus	ISO 178	MPa	1000	530
Flexural maximum stress	ISO 178	MPa	50	30
Charpy notched impact strength	ISO 179/1eA	kJ/m <sup>2</sup>	18	NB
Charpy unnotched impact strength	ISO 179/1eU	kJ/m <sup>2</sup>	NB	NB
Izod notched impact strength	ISO 180/1A	kJ/m <sup>2</sup>	14.5	NB
<b>Flamability</b>				
Flammability UL 94 (Thickness 1,6 mm)	ISO 1210/UL 94		HB	-
<b>Thermal</b>				
Melting Temperature	ISO 11357	°C	222	-
Heat deflection temperature, 1,8 Mpa	ISO 75/Af	°C	65	-
Coef. of Linear thermal expansion parallel (23°C to 85°C)	ISO 11359	E-5 / °C	7	-
<b>Electrical</b>				
Relative permittivity	IEC 60250		3.60	4.10
Dissipation factor	IEC 60250		0.02	0.12
Volume resistivity	IEC 60093	Ohm.cm	10E14	10E10
Surface resistivity	IEC 60093	Ohm	10E12	10E10
Dielectric strength	IEC 60243	kV/mm	-	18

## Identification Code : >PA6<

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