



DATA SHEET

TAROMID B 280 ZG6

Polyamide 6 medium viscosity 30% glass fibres reinforced, high mechanical properties and good dimensional stability.

Available: all colours, UV stabilized (L), heat stabilized (H), release agent (W).

DRYING - conditions		Melt temperature:	230 - 250°C
Pre-heater:	80 - 100°C / 3 h	Mould temperature:	80 - 110°C
Dryer:	80 - 90°C / 1 h	Rate of injection:	MEDIUM

PROPERTY	METHOD	unit	VALUE	condition
ELECTRICAL				
Volume Resistivity	IEC 60093	Ohm cm	7x10exp(15)	
Dielectric Constant	IEC 60250	-	4,10	
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	550	
Electric Strength	IEC 60243-1	kV/mm	24	2 mm
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133	g/10 min	7	250°C - 2,16 kg
Reinforcing Charges	ISO 3451	%	30	750°C - 1 h
Granule Humidity	TARO 002	%	<0,15	
Density (23 °C)	ISO 1183	g/cm ³	1,34-1,36	
Water Absorption (24h / 23°C)	ISO 62	%	0,9	
Water Absorption at Saturation	ISO 62	%	6,0	
Mould Shrinkage (Parallel)	Internal method	%	0,25-0,35	
Mould Shrinkage (Normal)	Internal method	%	0,5-0,65	
Melting temperature (DSC)	ISO 11357	°C	222	
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	120	+23°C
Tensile Modulus	ISO 527-1,2	Mpa	9800	Speed 1 mm/min
Flexural Modulus	ISO 178	Mpa	9400	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	3	Speed 50 mm/min
Flexural Break Strength	ISO 178	Mpa	270	Speed 1 mm/min
Tensile Break Strength	ISO 527-1,2	Mpa	180	Speed 50 mm/min
CHARPY Notched Impact (+23°C)	ISO 179/1eA	KJ/m ²	10	
CHARPY Unnotched Impact (+23°C)	ISO 179/1eU	KJ/m ²	46	
FLAMMABILITY				
Oxygen index	ASTM D2863	%	24	
Flame Behaviour (0,97 mm)	UL94	Class	HB	
Glow Wire Flammability Index-GWFI (2 mm)	IEC 60695-2-12	°C	750	
Burning Rate (US-FMVSS 302)	ISO 3795	mm/min	<100	2 mm
THERMAL				
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	212	50°C / h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	205	120°C / h
Ball Pressure Test	IEC 60695-10-2	°C	170	
Continuous service temperature (20.000 h)	IEC 60216	°C	100 (H 130)	
Continuous service temperature (short term)	IEC 60216	°C	140 (H 180)	

These value are for natural color only. Colorant or other additives may alter some or all of these property. The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.



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Coefficient of linear thermal expansion	ISO 11359-1,-2	K ⁻¹	3x10exp(-5)	-30°C / +30°C

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