



DATA SHEET

TAROMID B 280 G7 X0

Polyamide 6 glass fiber reinforced 35%, UL94 V0 self extinguishing, good flame proofing also at low thickness, good flow and good mechanical properties, good dimensional stability.

UL94 V0 approved all colors at 0,97 mm. UL746B approved.

Available: different colors, heat stabilized (H), release agent (W), and without PBDE/PBDF.

	DRYING - conditions	Melt temperature:	230 - 260°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	DIN	ISO	ASTM	unit	VALUE	condition
ELECTRICAL							
Volume Resistivity		5348		D257	Ohm cm	10exp(15)	
Tracking Resistance (CTI - Method A)	IEC 112				Volt	325	
PHYSICAL							
Reinforcing Charges				D258	%	35	850°C - 1 h
Granule Humidity	TARO 002				%	<0,10	
Density (23 °C)		5347	R118	D792	Mg/m ³	1,60-1,62	
Water Absorption (24h / 23°C)		5349	R62	D570	%	0,65	
Water Absorption at Saturation		5349	R62	D570	%	5	
Mould Shrinkage (Parallel)				D955	%	0,20-0,30	
Mould Shrinkage (Normal)				D955	%	0,30-0,50	
Melting Point			R121	D211	°C	222	
MECHANICAL							
IZOD Notched Impact		-	180	D256	J/m	90	+23°C - 3,2 mm
CHARPY Notched Impact		5345	R179	D256	kJ/m ²	9	+23°C - 6x4x50 mm
Tensile Modulus		5345	R527	D638	N/mm ²	9400	
Flexural Modulus		5345	R178	D790	N/mm ²	9000	
Elongation at Break		5345	R527	D638	%	1,5	
Flexural Break Strength		5345	R178	D790	N/mm ²	220	
Tensile Break Strength		5345	R527	D638	N/mm ²	160	
ROCKWELL Hardness				D785	scala R	120	
FLAMMABILITY							
Oxygen index				D286	%	32	
Flame Behaviour (0,97 mm)	UL 94					V0	yellow card
Glow Wire Test (2 mm)	IEC 695-2-1				°C	960	
THERMAL							
VICAT Temperature (1 kg)		5346	R306	D152	°C	218	50°C / h
VICAT Temperature (5 kg)		5346	R306	D152	°C	216	50°C / h
Heat Deflection Temperature (1,82 N/mm ²)		5346	R75	D648	°C	214	120°C / h
Ball Pressure Test	VDE 0470				°C	165	
Continuous service temperature (20.000 h)	IEC 216				°C	90 (120 H)	
Continuous service temperature (short term)	IEC 216				°C	130 (160 H)	
Coefficient of linear thermal expansion		5375		D696	K ⁻¹	2,8x10exp(-5)	-30°C / +30°C

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.