



DATA SHEET

TAROMID A 280 S

Polyamide 66 medium viscosity, good processing and easy release, low post shrinkage and better dimensional stability, short cycles, high rigidity.

Available: natural and colored dry blend (DB).

DRYING - conditions		Melt temperature:	250 - 280°C
Pre-heater:	n.r.	Mould temperature:	70 - 90°C
Dryer:	n.r.	Rate of injection:	MEDIUM

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
ELECTRICAL							
Volume Resistivity		5348		D257	Ohm cm	9x10exp(15)	
Tracking Resistance (CTI - Method A)	IEC 112				Volt	>600	
Tracking Resistance (CTI - Method B)	IEC 112				Volt	600M	
Electric Strength				D149	kV/mm	24	2 mm
PHYSICAL							
Melt Flow Index		5373	R292	D123	g/10'	35	280°C - 1,2 Kg
Granule Humidity	TARO 002				%	<0,15	
Density (23 °C)		5347	R118	D792	Mg/m^3	1,13-1,15	
Water Absorption (24h / 23°C)		5349	R62	D570	%	1	
Water Absorption at Saturation		5349	R62	D570	%	7	
Mould Shrinkage (Parallel)				D955	%	1,6-2,2	
Mould Shrinkage (Normal)				D955	%	1,6-2,5	
Melting Point			R121	D211	°C	256	
MECHANICAL							
IZOD Notched Impact		-	180	D256	J/m	35	+23°C - 3,2 mm
IZOD Notched Impact		-	180	D256	J/m	24	-20°C - 3,2 mm
CHARPY Notched Impact		5345	R179	D256	kJ/m^2	3,4	+23°C - 6x4x50 mm
CHARPY Unnotched Impact		5345	R179	D256	kJ/m^2	>300	+23°C - 6x4x50 mm
Tensile Modulus		5345	R527	D638	N/mm^2	3300	
Flexural Modulus		5345	R178	D790	N/mm^2	3250	
Elongation at Break		5345	R527	D638	%	40	
Tensile Break Strength		5345	R527	D638	N/mm^2	88	
Tensile Yield Strength		5345	R527	D638	N/mm^2	88	
Flexural Yield Strength		5345	R178	D790	N/mm^2	130	
ROCKWELL Hardness				D785	scala R	121	
FLAMMABILITY							
Oxigen index				D286	%	26	
Flame Behaviour (1,6 mm)	UL 94					V2	
Glow Wire Test (2 mm)	IEC 695-2-1				°C	750	
THERMAL							
VICAT Temperature (1 kg)		5346	R306	D152	°C	254	50°C / h
VICAT Temperature (5 kg)		5346	R306	D152	°C	240	50°C / h
Heat Deflection Temperature (1,82 N/mm^2)		5346	R75	D648	°C	90	120°C / h
Ball Pressure Test	VDE 0470				°C	165	

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PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
Continuous service temperature (20.000 h)	IEC 216				°C	80-90	
Continuous service temperature (short term)	IEC 216				°C	120	
Coefficient of linear thermal expansion		5375		D696	K ⁻¹	8x10exp(-5)	-30°C /+30°C

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