



**DATA SHEET**

**TAROMID A 280 R3**

Polyamide 66 elastomer modified, very high impact resistance, low moisture absorption, very good chemical resistance to oils, solvents and other chemical substances.

Available: different colors, UV-stabilized (L), release agent (W).

	<b>DRYING - conditions</b>	<b>Melt temperature:</b>	250 - 270°C
<b>Pre-heater:</b>	80 - 100°C - 3 h	<b>Mould temperature:</b>	70 - 80°C
<b>Dryer:</b>	80 - 90°C - 1 h	<b>Rate of injection:</b>	MEDIUM

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
<b>ELECTRICAL</b>							
Tracking Resistance ( CTI - Method A )	IEC 112				Volt	<b>550</b>	
<b>PHYSICAL</b>							
Melt Flow Index		5373	R292	D123	g/10'	<b>16</b>	280°C - 1 Kg
Granule Humidity	TARO 002				%	<b>&lt;0,15</b>	
Density ( 23 °C )		5347	R118	D792	Mg/m^3	<b>1,07 - 1,09</b>	
Water Absorption ( 24h / 23°C )		5349	R62	D570	%	<b>0,75</b>	
Water Absorption at Saturation		5349	R62	D570	%	<b>5,5</b>	
Mould Shrinkage (Parallel)				D955	%	<b>1,3-1,8</b>	
Mould Shrinkage (Normal)				D955	%	<b>1,2-1,8</b>	
Melting Point			R121	D211	°C	<b>258</b>	
<b>MECHANICAL</b>							
IZOD Notched Impact		-	180	D256	J/m	<b>180</b>	+23°C - 3,2 mm
Flexural Modulus		5345	R178	D790	N/mm^2	<b>2050</b>	
Elongation at Break		5345	R527	D638	%	<b>80</b>	
Tensile Yield Strength		5345	R527	D638	N/mm^2	<b>60</b>	
Flexural Yield Strength		5345	R178	D790	N/mm^2	<b>85</b>	
<b>FLAMMABILITY</b>							
Oxigen index				D286	%	<b>23</b>	
Flame Behaviour ( 0,97 mm )	UL 94					<b>HB</b>	
<b>THERMAL</b>							
VICAT Temperature ( 5 kg )		5346	R306	D152	°C	<b>210</b>	50°C / h
Heat Deflection Temperature ( 1,82 N/mm^2 )		5346	R75	D648	°C	<b>70</b>	120°C / h

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.