

TAROMID A 280 G6

Polyamide 66
Taro Plast S.p.A.

Message:

Polyamide 66 medium viscosity glass fiber reinforced 30%, good mechanical and thermal properties.
UL94 HB approved at 0,75 mm - NC
Available: all colors, UV stabilized (L), heat stabilised (H), high heat stabilised (HT), release agent (W), improved glyco-hydrolysis stability (I).

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	Mold Release		
	UV Stabilizer		
Features	Good Mold Release		
	Good UV Resistance		
	Heat Stabilized		
	High Heat Resistance		
	Hydrolysis Resistant		
	Medium Viscosity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 to 1.36	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.30 to 0.40	%	
Across Flow	0.90 to 1.1	%	
Water Absorption			
23°C, 24 hr	0.70	%	ASTM D570, ISO 62
Saturation	5.0	%	ASTM D570
Saturation, 23°C	5.0	%	ISO 62
Granule Humidity	< 0.10	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9600	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	175	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.4	%	ASTM D638, ISO 527-2
Flexural Modulus	9200	MPa	ASTM D790, ISO 178

Flexural Stress			
--	250	MPa	ISO 178
Break	250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	8.0	kJ/m ²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength ²			ASTM D256, ISO 179
-20°C	40	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	244	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature			
-- ³	100	°C	IEC 60216
-- ⁴	130	°C	IEC 60216
-- ⁵	140	°C	IEC 60216
-- ⁶	180	°C	ASTM D794
Vicat Softening Temperature	254	°C	ISO 306/B50, ASTM D1525 ⁷
Ball Pressure Test (165°C)	Pass		VDE 0470
Melting Temperature	256	°C	ASTM D211, ISO 121
CLTE - Flow (-30 to 30°C)	2.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.0E+15	ohms · cm	ASTM D257
Dielectric Strength (2.00 mm)	26	kV/mm	ASTM D149
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-13
Oxygen Index	27	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 to 90.0	°C	
Pre-heater	80.0 to 100	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	80.0 to 110	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	6x4x50 mm		
2.	6x4x50 mm		

3.	20000 hrs
4.	Heat Stabilised & High Heat Stabilised, 20000 hrs
5.	Short Term
6.	Heat Stabilised & High Heat Stabilised, Short Term
7.	Rate A (50°C/h), Loading 2 (50 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

