TAROMID A 280 G7

Polyamide 66

Taro Plast S.p.A.

Message:

Polyamide 66 medium viscosity glass fiber reinforced 35%, good mechanical and thermal properties.
UL94 HB approuved at 0,75 mm - NC
Available: all colors, UV stabilized (L), heat stabilized (H), release agent (W).

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer Mold Release UV Stabilizer		
Features	Good Mold Release Good UV Resistance Heat Stabilized Medium Viscosity		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.37 to 1.39	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	20	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.25 to 0.35	%	
Across Flow	0.80 to 1.0	%	
Water Absorption			
23°C, 24 hr	0.60	%	ASTM D570, ISO 62
Saturation	4.5	%	ASTM D570
Saturation, 23°C	4.5	%	ISO 62
Granule Humidity	< 0.15	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	10500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	190	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.2	%	ASTM D638, ISO 527-2
Flexural Modulus	10000	MPa	ASTM D790, ISO 178

Flexural Stress			
--	270	MPa	ISO 178
Break	270	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [1] (23°C)	10	kJ/m²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	130	J/m	ISO 180, ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	246	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature			IEC 60216
-- [2]	100	°C	
-- [3]	130	°C	
-- [4]	140	°C	
-- [5]	180	°C	
Vicat Softening Temperature	255	°C	ISO 306/B50, ASTM D1525 [6]
Ball Pressure Test (165°C)	Pass		VDE 0470
Melting Temperature	256	°C	ASTM D211, ISO 121
CLTE - Flow (-30 to 30°C)	2.6E-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			UL 94
0.970 mm	HB		
1.60 mm	HB		
3.20 mm	HB		
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	Fast		
NOTE			
1.	6x4x50 mm		

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

Recommended distributors for this material

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