TAROMID A 280 G7 X0

Polyamide 66

Taro Plast S.p.A.

Message:

Polyamide 66 medium viscosity, 30% glass fiber reinforced, UL94 V0 self extinguishing, very good flame proofing also at low thickness, good processing and good mechanical an thermal properties, low shrinkage and high dimensional stability.
UL94 V0 approved all colors at 0,88 mm. UL746B approved.
Available: different colors, release agent.

General Information			
UL YellowCard	E143048-223244		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Mold Release		
Features	Flame Retardant Good Dimensional Stability Good Mold Release Good Processability Low Shrinkage Medium Viscosity Self Extinguishing		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.57 to 1.59	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.30 to 0.50	%	
Across Flow	0.45 to 0.75	%	
Water Absorption			
23°C, 24 hr	0.50	%	ASTM D570, ISO 62
Saturation	4.5	%	ASTM D570
Saturation, 23°C	4.5	%	ISO 62
Granule Humidity	< 0.10	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	9800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	160	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.1	%	ASTM D638, ISO 527-2
Flexural Modulus	9400	MPa	ASTM D790, ISO 178

Flexural Stress			
--	230	MPa	ISO 178
Break	230	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [1] (23°C)	7.5	kJ/m²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength [2] (23°C)	30	kJ/m²	ASTM D256, ISO 179
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ISO 180, ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	240	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature			
--	65.0	°C	UL 746B
-- [3]	90.0	°C	IEC 60216
-- [4]	150	°C	IEC 60216
Vicat Softening Temperature	242	°C	ISO 306/B50, ASTM D1525 [5]
Ball Pressure Test (165°C)	Pass		VDE 0470
Melting Temperature	250 to 256	°C	ASTM D211, ISO 121
CLTE - Flow (-30 to 30°C)	3.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (2.00 mm)	24	kV/mm	ASTM D149
Comparative Tracking Index (Solution A)	300	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.880 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
Oxygen Index	30	%	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 270	°C	
Mold Temperature	80.0 to 110	°C	
Injection Rate	Moderate		
NOTE			
1.	6x4x50 mm		

2.	6x4x50 mm
3.	20000 hrs
4.	Short Term
5.	Rate A (50°C/h), Loading 2 (50 N)

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