

TAROMID A 280 H MG6 DX0

Polyamide 66
Taro Plast S.p.A.

Message:

Polyamide 66 medium viscosity, 30% mineral fiber reinforced, UL94 V0 self extinguishing, Material PBDE/PBDF free.
UL94 V0 approved - NC@ 0,75 mm
Available: all colours, UV-stabilised (L), heat-stabilised (H), release agent (W), elastomer modified (R).

General Information			
UL YellowCard	E143048-466486		
Filler / Reinforcement	Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
	Mold Release		
	UV Stabilizer		
Features	Good Mold Release		
	Good UV Resistance		
	Heat Stabilized		
	Impact Modified		
	Medium Viscosity		
	Self Extinguishing		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58 to 1.60	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.65	%	
Across Flow	0.65	%	
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	< 0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.6	%	ASTM D638, ISO 527-2
Flexural Modulus	8200	MPa	ASTM D790, ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	50	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	232	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature	130	°C	UL 746B
Vicat Softening Temperature			
--	254	°C	ASTM D1525, ISO 306/A50 3 ¹
--	242	°C	ASTM D1525, ISO 306/B50 4 ²
Ball Pressure Test (165°C)	Pass		VDE 0470
CLTE - Flow (-30 to 30°C)	2.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Comparative Tracking Index (Solution A)	> 400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 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	250 to 280	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	Rate A (50°C/h), Loading 1 (10 N)		
2.	Rate A (50°C/h), Loading 2 (50 N)		

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