

TAROMID A 260 Y0

Polyamide 66/6 Copolymer

Taro Plast S.p.A.

Message:

PA66/6 medium viscosity, flame retarded V0 halogen and phosphorus free. Low density, good flow and high tracking resistance.
UL94 V0 listed all colors at 0,55 mm
Available: different colors.

General Information			
UL YellowCard	E143048-223245		
Features	Flame Retardant		
	Good Flow		
	Halogen Free		
	Low (to None) Phosphorus Content		
	Low Density		
	Medium Viscosity		
	Tracking Resistant		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16 to 1.18	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	1.0 to 1.5	%	
Across Flow	1.5 to 2.5	%	
Water Absorption			
23°C, 24 hr	1.0 to 1.5	%	ASTM D570, ISO 62
Saturation	8.0	%	ASTM D570
Saturation, 23°C	8.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3600	MPa	ASTM D638, ISO 527-2
Tensile Strength			ASTM D638, ISO 527-2
Yield	95.0	MPa	
Break	85.0	MPa	
Tensile Elongation (Break)	6.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3300	MPa	ASTM D790, ISO 178
Flexural Stress			
--	135	MPa	ISO 178
Break	135	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength ¹ (23°C)	2.5	kJ/m ²	ASTM D256, ISO 179
Charpy Unnotched Impact Strength ² (23°C)	50	kJ/m ²	ASTM D256, ISO 179
Notched Izod Impact			ASTM D256
-20°C, 3.20 mm	25	J/m	ISO 180
23°C, 3.20 mm	40	J/m	ISO 121
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	225	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature			IEC 60216
-- ³	80.0	°C	
-- ⁴	120	°C	
Vicat Softening Temperature			
--	248	°C	ASTM D1525, ISO 306/A 6 ⁵
--	236	°C	ASTM D1525, ISO 306/B 7 ⁶
Melting Temperature	250 to 256	°C	ASTM D211, ISO 121
CLTE - Flow (-30 to 30°C)	8.0E-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)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.550 mm	V-0		
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (1.20 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.20 mm)	775	°C	IEC 60695-2-13
Oxygen Index	32	%	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 270	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	6x4x50 mm		
2.	6x4x50 mm		

3.	20000 hrs
4.	Heat Stabilized, 20000 hrs
5.	Loading 1 (10 N)
6.	Loading 2 (50 N)

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