

HAIPLEN EP70 Y0

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer self extinguishing V0 halogen free, good flow and mechanical properties.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D)

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Copolymer		
	Detergent Resistant		
	Good Flow		
	Good UV Resistance		
	Halogen Free		
	Heat Stabilized		
	Laser Markable		
	Self Extinguishing		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	1.0	%	
Across Flow	1.0	%	
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.0	MPa	ASTM D638, ISO 527-2
Flexural Modulus	800	MPa	ASTM D790, ISO 178
Flexural Strength	20.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ASTM D648, ISO 75-2/A

Continuous Use Temperature ¹	85.0	°C	IEC 60216
Vicat Softening Temperature	60.0	°C	ISO 306/B, ASTM D1525 ²
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Glow Wire Flammability Index (1.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Fast		
NOTE			
1.	20000 hrs		
2.	Loading 2 (50 N)		

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