

TRISTAR® PC-10FRNH

Polycarbonate

Polymer Technology and Services, LLC

Message:

TRISTAR®PC-10FRNH is a polycarbonate (PC) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification
- Flame Retardant
- Halogen-free

General Information			
UL YellowCard	E155285-101364506		
Additive	demoulding		
	Flame retardancy		
Features	Chlorine Free		
	Good demoulding performance		
	Bromine-free		
	Flame retardancy		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.18	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	61.4	MPa	ASTM D638
Tensile Elongation (Break, 3.18 mm)	75	%	ASTM D638
Flexural Modulus (3.17 mm)	2340	MPa	ASTM D790
Flexural Strength (Yield, 3.17 mm)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	135	°C	ASTM D648
1.8 MPa, not annealed	127	°C	ISO 75-2/A

Flammability	Nominal Value	Test Method
Flame Rating (1.60 mm)	V-0	UL 94

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