

Maxxam™ FR C5 T-GF/10 XF V0 EP NC 70

Polypropylene Impact Copolymer

PolyOne Corporation

Message:

Maxxam™ FR flame-retardant polyolefin compounds and masterbatches meet stringent flammability performance requirements defined by industry agencies, including Underwriters Laboratories UL 94 V-0, performance ratings.

General Information			
Filler / Reinforcement	Glass\Mineral, 10% Filler by Weight		
Features	Flame Retardant		
	Good Processability		
	Good Stiffness		
	Good Strength		
	Halogen Free		
	High Impact Resistance		
	Medium Flow		
Uses	Consumer Applications		
	Electrical/Electronic Applications		
	General Purpose		
	Household Goods		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹ (23°C)	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage ²			ISO 294-4
Across Flow : 23°C	0.80 to 1.2	%	
Flow : 23°C	0.80 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm)	2250	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	25.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm)	6.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	12	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/A120
Melting Temperature	160 to 165	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-2		
1.60 to 3.20 mm	V-0		
Glow Wire Flammability Index (1.00 to 3.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 to 3.00 mm)	775	°C	IEC 60695-2-13
Oxygen Index	> 32	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	180 to 200	°C	
NOTE			
1.	±0.03		
2.	PolyOne Turkey method		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT