

## PolyOne Maxxam™ FR WC-P85 NHFR RoHS Natural Polyolefin, Unspecified

Category : Polymer , Thermoplastic , Polyolefin

### Material Notes:

Maxxam™ HFFR WC-P85 RoHS Natural is a halogen-free flame retardant polyolefin compound characterized by low smoke, low flame spread, excellent spring-back, no plate-out and high extrusion line speed. It is designed for very thin-wall (0.5 mm or 20 mills), flexible, primary conduit applications for optical fiber cables among others. It is also excellent for injection molding. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Maxxam-FR-WC-P85-NHFR-RoHS-Natural-Polyolefin-Unspecified.php](http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-WC-P85-NHFR-RoHS-Natural-Polyolefin-Unspecified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Melt Flow	7.5 g/10 min	7.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	10 sec; ASTM D2240
	48	48	ASTM D2240
Tensile Strength at Break	8.96 MPa	1300 psi	51 mm/min; ASTM D638
Elongation at Break	450 %	450 %	51 mm/min; ASTM D638
Flexural Modulus	0.296 GPa	42.9 ksi	13 mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	molded specimen; UL 94
	@Thickness 1.55 mm	@Thickness 0.0610 in	
Oxygen Index	>= 33 %	>= 33 %	ASTM D2863

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Good Chemical Resistance	
	Good Colorability	
	Good Processability	

Descriptive Properties	Halogen Free Value	Comments
	Low Smoke Emission	
	Low Toxicity	
Forms	Pellets	
Generic Material	Polyolefin, Unspecified	
Generic Name	Polyolefin, Unspecified	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	North America	
RoHS Compliance	RoHS Compliant	
Uses	Conduit	
	Corrugated Pipe	
	Wire & Cable Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China