

PolyOne Maxxam® FR PE 125 Low Density Polyethylene, Wire and Cable (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

Data provided by PolyOne.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Maxxam-FR-PE-125-Low-Density-Polyethylene-Wire-and-Cable-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ASTM D792
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	13.8 MPa @Thickness 3.17 mm	2000 psi @Thickness 0.125 in	2"/min speed; ASTM D638
Elongation at Break	500 % @Thickness 3.17 mm	500 % @Thickness 0.125 in	2"/min speed; ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	ASTM D1525
Flammability, UL94	V-2 @Thickness 1.59 mm	V-2 @Thickness 0.0625 in	
Oxygen Index	24.8 %	24.8 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.32 @Frequency 1000 Hz	2.32 @Frequency 1000 Hz	ASTM D150
	2.34 @Frequency 1e+6 Hz	2.34 @Frequency 1e+6 Hz	ASTM D150
Dissipation Factor	0.00030 @Frequency 1000 Hz	0.00030 @Frequency 1000 Hz	ASTM D150
	0.0010	0.0010	

Electrical Properties

Metric
@ Frequency 1e+6 Hz

English
@ Frequency 1e+6 Hz

ASTM D150
Comments

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