

Multibase Multi-Flamâ„ç 0803 LDPE NH Yellow Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Features:Flame Retardant Forms:PelletsProcessing Methods:Injection MoldingInformation provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flam-0803-LDPE-NH-Yellow-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Water Absorption	0.020 %	0.020 %	at Equilibrium; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
Melt Flow	1.37 g/10 min @Load 2.16 kg, Temperature 190 Â°C	1.37 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength, Ultimate	8.07 MPa	1170 psi	ASTM D638
Elongation at Break	1000 %	1000 %	ASTM D638
Flexural Strength	5.17 MPa	750 psi	ASTM D790
Flexural Modulus	0.185 GPa	26.8 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	3.84 J/cm	7.20 ft-lb/in	73Â°F; ASTM D256
Gardner Impact	14.35 J	10.58 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	0.0866 in
	V-0	V-0	0.125 in

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.80e+15 ohm-cm	1.80e+15 ohm-cm	ASTM D257
Dielectric Constant	2.64 @Frequency 100000 Hz	2.64 @Frequency 100000 Hz	ASTM D150

Electrical Properties	Metric	English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	26.0 kV/mm	661 kV/in	ASTM D149
Dissipation Factor	0.015	0.015	ASTM D150
	@Frequency 100000 Hz	@Frequency 100000 Hz	
	0.016	0.016	ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	

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