

Total Lumicene® M 3410 EP HDPE Film, sheet

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , MDPE , Medium Density Polyethylene (MDPE), Film Grade

Material Notes:

FINACENE® M 3410 EP is a medium density metallocene based polyethylene resin. FINACENE® M 3410 EP is especially dedicated to film applications where a higher rigidity, good transparency and shrink properties are required, particularly in blend and coextrusion with LL/LDPE. FINACENE® M 3410 EP is suited for many applications in the field of consumer, industrial, food or hygiene packaging. Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lumicene-M-3410-EP-HDPE-Film-sheet.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	10% ant.; ASTM D1693
Melt Flow	0.90 g/10 min	0.90 g/10 min	ISO 1133
	@Load 2.16 kg	@Load 4.76 lb	
	3.0 g/10 min	3.0 g/10 min	ISO 1133
	@Load 5.00 kg	@Load 11.0 lb	
High Load Melt Index	25 g/10 min	25 g/10 min	ISO 1133
	@Load 21.6 kg	@Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.0 MPa	4790 psi	ISO 527
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527
Elongation at Break	860 %	860 %	ISO 527
Elongation at Yield	12 %	12 %	ISO 527
Flexural Modulus	0.600 GPa	87.0 ksi	ASTM D 790
Dart Drop Test	>= 50.0 g	>= 0.110 lb	20µm; ASTM D 1709
	>= 100 g	>= 0.221 lb	40µm; ASTM D 1709

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	DSC

Vicat Softening Point Thermal Properties	122 °C Metric	252 °F English	ISO 306 Comments
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Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	40µm; ASTM D 1003
	10 %	10 %	20µm; ASTM D 1003
Gloss	50 %	50 %	45 degrees, 20µm; ASTM D 2457
	61 %	61 %	45 degrees, 40µm; ASTM D 2457

Descriptive Properties	Value	Comments
Food Status	This material is formulated to comply with most requirements of the food packaging regulations	

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