Carmel Olefins IPETHENE® 214 Low Density Polyethylene (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

Material Notes:

IPETHENE® 214 is a general purpose low density polyethylene film extrusion grade. It contains a high level of anti-blocking and slip additives. It is BHT free. APPLICATIONS IPETHENE® 214 is mainly used to produce 35 to 100 µm films for general purpose shopping bags, Form-Fill-Seal packaging, and shrink applications.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Carmel-Olefins-IPETHENE-214-Low-Density-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	ISO 1183-A
Thickness	50.0 microns	1.97 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	400 %	400 %	ISO 1184
Film Elongation at Break, TD	650 %	650 %	ISO 1184
Elmendorf Tear Strength MD	500 g	500 g	ISO 6283-2
Elmendorf Tear Strength TD	350 g	350 g	ISO 6283-2
Elmendorf Tear Strength, MD	10.0 g/micron	254 g/mil	ISO 6283-2
Elmendorf Tear Strength, TD	7.00 g/micron	178 g/mil	ISO 6283-2
Dart Drop	3.00 g/micron	76.2 g/mil	F50; ISO 7765-A
Dart Drop Test	150 g	0.331 lb	F50; ISO 7765-A
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ISO 1184
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ISO 1184

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003
Gloss	60 %	60 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	2.0	2.0	

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