

Total LDPE 1022 FN 24 Low Density Polyethylene - Blown Film

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

Material Notes:

LDPE 1022 FN 24 is a low density polyethylene made by a high pressure process without antioxidant. LDPE 1022 FN 24 is suited to many applications in the field of consumer, industrial, food or hygiene packaging such as bags, lamination and coextrusion film. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-LDPE-1022-FN-24-Low-Density-Polyethylene-Blown-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.923 g/cc	0.923 g/cc	ISO 1183
Thickness	40.0 microns	1.57 mil	for samples tested on this data sheet
	25.0 - 150 microns	0.984 - 5.91 mil	possible range, depending on extrusion conditions
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ISO 527-3
Film Tensile Strength at Yield, TD	11.5 MPa	1670 psi	ISO 527-3
Film Elongation at Break, MD	360 %	360 %	ISO 527-3
Film Elongation at Break, TD	630 %	630 %	ISO 527-3
Elmendorf Tear Strength, MD	7.60 g/micron	193 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	6.30 g/micron	160 g/mil	ISO 6383-2
Dart Drop Test	95.0 g	0.209 lb	ISO 7765-1
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ISO 527-3
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	ISO 11357
Vicat Softening Point	94.0 °C	201 °F	ISO 306

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ISO 14782

Processing Properties	Metric	English	Comments
Processing Temperature	150 - 190 °C	302 - 374 °F	

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