

Dow Elite® 5200 Linear Low Density Polyethylene

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

Material Notes:

ELITE® 5200 enhanced polyethylene resin is a copolymer produced via INSITE® Technology from Dow Plastics. This resin offers high impact strength and good puncture resistance at moderate stretch levels for irregularly shaped loads. In addition, ELITE 5200 resin provides excellent on-pallet elongation for higher yields on regular loads. It complies with U.S. FDA regulation 21 CFR 177.1520 c 3.2 (a) when used unmodified and processed according to good manufacturing practices. For food contact compliance statements, your nearest Dow office should be contacted. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Elite-5200-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in³	
Melt Flow	4.0 g/10 min @Load 2.16 kg	4.0 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.3 MPa	1490 psi	
Film Tensile Strength at Yield, TD	8.80 MPa	1280 psi	
Film Elongation at Break, MD	460 %	460 %	
Film Elongation at Break, TD	620 %	620 %	
Elmendorf Tear Strength MD	320 g	320 g	Unspecified film thickness
Elmendorf Tear Strength TD	460 g	460 g	Unspecified film thickness
Dart Drop Test	300 g	0.662 lb	
Film Tensile Strength at Break, MD	38.6 MPa	5600 psi	
Film Tensile Strength at Break, TD	29.7 MPa	4310 psi	

Optical Properties	Metric	English	Comments
Haze	0.80 %	0.80 %	
Gloss	95 %	95 %	45°

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