

Dow Elite® 5110 Linear Low Density Polyethylene

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

Material Notes:

ELITE® 5110 enhanced polyethylene resin is a copolymer produced via INSITE® Technology from Dow Plastics. It offers unique combination of high modulus and excellent impact strength, allowing for downgauging in bag applications. In addition, ELITE 5110 resin has excellent tensile strength and good tear properties. 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-5110-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	
Melt Flow	0.85 g/10 min	0.85 g/10 min	
	@Load 2.16 kg	@Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.0 MPa	2030 psi	
Film Tensile Strength at Yield, TD	15.0 MPa	2180 psi	
Film Elongation at Break, MD	615 %	615 %	
Film Elongation at Break, TD	640 %	640 %	
Secant Modulus, MD	0.228 GPa	33.1 ksi	Film value
Secant Modulus, TD	0.2485 GPa	36.04 ksi	Film value
Elmendorf Tear Strength MD	750 g	750 g	Unspecified film thickness
Elmendorf Tear Strength TD	1150 g	1150 g	Unspecified film thickness
Dart Drop Test	400 g	0.882 lb	
Film Tensile Strength at Break, MD	51.4 MPa	7450 psi	
Film Tensile Strength at Break, TD	44.5 MPa	6450 psi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	113 °C	235 °F	

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	111 °C	232 °F	Seal Initiation temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China