(+) 188 1699 6168 hongrunplastics.com

Petrothene



lyondellbasell

High Density Polyethylene Film Extrusion Grade Melt Index 0.17 Density 0.940

Applications

Petrothene LP540200 is a copolymer resin designed for blown film applications. This resin offers high ESCR, stiffness, excellent appearance and bubble stability. LP540200 is recommended for high strength multi-wall sack liners and barrier sheeting. It is also useful as a blend component for improved stiffness and machinability.

Regulatory **Status**

LP540200 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information.

Typical Properties	Property* Melt Index Density Vicat Softening Point Film* *	Nominal Value 0.17 0.940 119	Units g/10 min g/cc °C	ASTM Test Method D 1238 D 1505 D 1525
	Elmendorf Tear Strength, MD (TD) Tensile Strength @ Yield, MD (TD) Tensile Strength @ Break, MD (TD) Elongation @ Break, MD (TD) 1% Secant Modulus, MD (TD) Dart Drop Impact Strength, F ₅₀ Transmission Rates: Water Vapor Oxygen Molding Tensile Strength @ Yield ¹ Low Temperature Brittleness Heat Defection Temperature @ 66 psi	40 (1,150) 2,800 (3,300) 6,800 (4,300) 510 (680) 82,000 (110,000) 70 5.1 2,450 3,180 <-76 64	g psi psi g g/m²/24 hrs cm³/m²/24 hrs psi °C °C	D 1922 D 882 D 882 E 111 D 1709 F 372 D 3965 D 6381 D 746 D 648
	Hardness, Shore D Environmental Stress Crack Resistance, F ₅₀	62 >1,000	hrs	D 220 D 1693

These are typical values and not to be construed as specific product limits.

** Data obtained from 2.0 mil Blown Film; 2.5:1 Blow-up-ratio, Melt Temperature 410-430°F (210-220°C), 60 mil die gap (199-210°C), 60 mil die gap. 1

Type IV Specimen