

VINPOL™ LD002522B

Low Density Polyethylene

Melt Index: 0.25

Density: 0.922

VINPOL LD002522B is a low density fractional melt index homopolymer LDPE resin designed for film applications requiring excellent bubble stability/melt strength, impact strength, stiffness and shrink. Applications include collation shrink films, pallet shrink films, packaging films and heavy-duty films where processability, strength and stiffness are important. This product contains an antioxidant. This resin meets U.S. Food and Drug Administration as specified in 21 CFR 177.1520 for food contact applications.

Resin Property	Typical Value	Units	Test Method
Melt Index, 2.16 Kg at 190°C	0.25	g/10 min	ASTM D-1238
Density	0.922	g/cm ³	ASTM D-1505
Tensile Strength at Yield (MD/TD)	1,700/1,800 (12/12)	psi (MPa)	ASTM D-882
Tensile Elongation at Yield (MD/TD)	400/550	%	ASTM D-882
Tensile Strength at Break (MD/TD)	4,000/3,500 (28/24)	psi (MPa)	ASTM D-882
Tensile Elongation at Break (MD/TD)	400/550	%	ASTM D-882
1% Secant Modulus (MD/TD)	32,000/36,000 (220/250)	psi (MPa)	ASTM D-882
Elmendorf Tear Strength (MD/TD)	170/200	g	ASTM D-1922
Dart Drop Impact, F ₅₀	190	g	ASTM D-1709
Haze	7.5	%	ASTM D-1003
Gloss	62	-	ASTM D-2457

Additive \ Suffix	-B
Antiblock	-
Slip	-

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