Petrothene NA951000

LOW DENSITY POLYETHYLENE

LDPE FILM Extrusion Grade

Flow Index 2.2 g/10min **Density** 0.920 g/cm ^{3}

Applications

PETROTHENE NA951000 is specially designed for industrial and consumer packaging and liner and bag applications. NA951000 has an excellent balance of processability, toughness and drawdown and does not contain slip or antiblock..

Regulatory Status

NA951000 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.

Processing Techniques

Specific recommendations for processing NA951000 can only be made when the processing conditions, equipment and end use are known.

Property Nominal Value Units ASTM Test Method

Property	Nominal Value	Units	ASTM Test Method
Melt Index	2.2	g/10 min	D 1238
Base Resin Density	0.920	g/cc	D 1505
Vicat Softening Point	90	C°	D 1525
Film[1]			
Dart Drop Impact Strength, F_{50}	100	g	D 1709
Tensile Strength @ Break MD (TD)	3,600 (2,500)	psi	D 882
Elongation, MD (TD)	250 (520)	%	D 882
1% Secant Modulus, MD (TD)	28 500 (33 000)	psi	E 111
Elmendorf Tear Strength, MD (TD)	320 (100)	g	D 1922
Molding*			
Tensile Strength	1 970	psi	D 638
Elongation @ Break	600	%	D 638

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

* Data derived from type IV specimen, 75 mil plaque @ 20" min.
[1] Data obtained from film produced in a 3½" (89 mm) blown film line, commercially available 8" (203 mm) die, 350°F (177°C) melt extrusion temperature, 2:1 BUR, 1.25 mil (32 micron) gauge, 0.025 die gap at 150 lb/hr.

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actualconditions of use of our products are beyond our control, establishing satisfactory performance of our products for the intended application is the customer's sole responsibility. All uses of