

Petrothene

# NA338202

Low Density Polyethylene  
Cast Film Grade

Melt Index: 6.2

Density: 0.925



## Applications

*Petrothene* NA338202 is a LDPE homopolymer resin designed for household film and other applications that require high clarity and good stiffness combined with low COF.

## Regulatory Status

The basic NA338202 resin 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 further information regarding the suitability of specific products for specific applications.

## Processing Techniques

Specific recommendations for processing NA338202 resin can only be made when the processing conditions, equipment and end use are known. For further suggestions please contact your Equistar sales representative.

## Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	6.2	g/10 min	D 1238
Density	0.925	g/cc	D 1505
<b>Film*</b>			
Haze	6.6	%	D 1003
Gloss, 45°	73	units	D 2457
Tensile Strength @ Yield, MD (TD)	1,270 (1,260)	psi	D 882
Tensile Strength @ Break, MD (TD)	3,080 (2,240)	psi	D 882
Elongation @ Break, MD (TD)	410 (590)	%	D 882
Dart Drop Impact Strength, F <sub>50</sub>	110	g	D 1709
1% Secant Modulus, MD	21,300	psi	D 882
Elmendorf Tear Strength, MD (TD)	465 (318)	g	D 1922
<b>Product</b>	<b><u>NA338202</u></b>		
Slip	2,800		
Antiblock	3,100		

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

\* Data obtained on 2.0 mil cast film prepared from NA338202. Melt Temperature: 460°F