

Petrothene

# NA202000

Low Density Polyethylene

Injection Molding Grade

Melt Index: 22     Density: 0.915



## Applications

*Petrothene* NA202000 resin exhibits high processability, low warpage and a combination of softness and toughness desired for LDPE molding. Typical applications include automotive items, toys, closures and lids.

## Regulatory Status

NA202000 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 product safety representative for more information.

## Processing Techniques

Specific recommendations for the processing of NA202000 can be made only when the end use application, required properties and the processing equipment are known.

## Suggested Start-up Conditions

Extruder Zone	Rear	Center	Front	Nozzle
Cylinder Temperature	325°F	350°F	350°F	350°F

## Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	22	g/10 min	D1238
Density	0.915	g/cc	D1505
Tensile Strength @ Break	1,450	psi	D638*
Tensile Strength @ Yield	1,250	psi	D638*
Elongation @ Break	550	%	D638*
Elongation @ Yield	23	%	D638*
1% Secant Modulus	24,700	psi	D790
Low Temperature Brittleness, F <sub>50</sub>	-47	°C	D746
Hardness, Shore D	40		D2240

\* Type IV specimen

These are typical values not to be construed as specification limits.