LyondellBasell PetrotheneÂ® NA860241 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

ApplicationsPETROTHENE NA 860 is a series of medium flow, low density polyethylene resins for the injection molding of caps, closures and other specialty applications. These resins exhibit an excellent balance of toughness, softness, dimensional stability and processability. Regulatory StatusNA 860 meets the requirements of the Food and Drug Administration regulation, 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "â€¦articles or components of articles intended for use in contact with foodâ€¦" Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information. Processing TechniquesSpecific recommendations for processing NA 860 can only be made when the processing conditions, equipment and end use are known. For further suggestions, contact your Equistar sales representative.This product is from the former Equistar product line.

Order this product through the following link:
http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-NA860241-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/inÂ³	ASTM D1505
Melt Flow	25 g/10 min	25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2280
Tensile Strength at Break	8.48 MPa	1230 psi	Crosshead Speed - 20 in/min; ASTM D638
Tensile Strength, Yield	12.2 MPa	1770 psi	Crosshead Speed - 20 in/min; ASTM D638
Elongation at Yield	14 %	14 %	Crosshead Speed - 20 in/min; ASTM D638
1% Secant Modulus	221 MPa	32000 psi	Crosshead Speed - 1/2 in/min; ASTM D790
2% Secant Modulus	0.179 GPa	26.0 ksi	Crosshead Speed - 1/2 in/min; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 Â°C	198 Â°F	ASTM D1525
Brittleness Temperature	-35.0 Â°C	-31.0 Â°F	F₅₀, Test method has been found useful for specification purposes, but does not necessarily indicate the lowest temperature at which the material may be used.; ASTM D746

Descriptive Properties	Value	Comments

Descriptive Properties	Value	Comments
Antioxidant	Low	
Slip	High	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China