

Total LDPE 1200 MN 18 C Low Density Polyethylene - Injection Molding and Compounding

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

Material Notes:

LDPE 1200 MN 18 C is a low density polyethylene made by a high pressure autoclave process without antioxidant. Application examples: flexible molding, handles, closures, household items, toys, various containers (basins, buckets ...), master-batches. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-LDPE-1200-MN-18-C-Low-Density-Polyethylene-Injection-Molding-and-Compounding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ISO 1183
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 190 °C	22 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	after 15 sec; ISO 868
Tensile Strength at Break	8.00 MPa	1160 psi	ISO 527-2
Tensile Strength, Yield	8.00 MPa	1160 psi	ISO 527-2
Elongation at Break	250 %	250 %	ISO 527-2
Modulus of Elasticity	0.160 GPa	23.2 ksi	ISO 527-2

Thermal Properties	Metric	English	Comments
Melting Point	106 °C	223 °F	ISO 11357
Vicat Softening Point	85.0 °C	185 °F	ISO 306
Shrinkage	2.0 - 4.0 %	2.0 - 4.0 %	

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 240 °C	320 - 464 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °F	

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