

Dow LDPE 4005M Low Density Polyethylene

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

Material Notes:

Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LDPE-4005M-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	
Melt Flow	5.5 g/10 min @Load 2.16 kg	5.5 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	10.3 MPa	1490 psi	
Tensile Strength, Yield	9.00 MPa	1310 psi	
Elongation at Break	600 %	600 %	
Modulus of Elasticity	0.172 GPa	24.9 ksi	Molded Sample 2% Secant Modulus
Izod Impact, Notched (ISO)	48.0 kJ/m ² @Temperature -50.0 °C	22.8 ft-lb/in ² @Temperature -58.0 °F	
Tensile Impact Strength	275 kJ/m ²	131 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	

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