

Total MDPE 3802 Medium Density Polyethylene, Blow Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

MDPE 3802 is a medium density polyethylene with good resistance to impact and excellent Environmental Stress Crack Resistance. It has been specifically designed for the blow molding of flexible containers. It is particularly appropriate for the production of metal drum liners. MDPE 3802 is a pellet grade and contains antioxidants. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-MDPE-3802-Medium-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.938 g/cc	0.938 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F50; ASTM D1693/B
Melt Flow	20 g/10 min @Load 21.6 kg, Temperature 190 °C	20 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133/G

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	0.800 J/cm ² @Temperature -30.0 °C	3.81 ft-lb/in ² @Temperature -22.0 °F	ISO 179-1

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 220 °C	356 - 428 °F	

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