

Total HDPE 5502 R3 High Density Polyethylene - Blow Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

HDPE 5502 R3 is a high density polyethylene with good compromise between stiffness and Environmental Stress Crack Resistance. It has been specifically designed for the manufacture of blow molded packaging for pharmaceutical products and cosmetics liquids. HDPE 5502 R3 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-HDPE-5502-R3-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.954 g/cc	0.954 g/cc	ISO 1183
Environmental Stress Crack Resistance	60 hour	60 hour	F50, Anatarox 100%; ASTM D 1693B
Melt Flow	22 g/10 min @Load 21.6 kg, Temperature 190 °C	22 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	1.60 J/cm ²	7.61 ft-lb/in ²	ISO 179-1

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

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