

Total HDPE 51090 High Density Polyethylene - Blow Molding

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

Material Notes:

HDPE 51090 is a semi high molecular weight (SHMW) high density polyethylene with high resistance to impact and excellent Environmental Stress Crack Resistance. It has been specifically designed for the manufacture of blow molded articles (jerry-cans) dedicated for the transportation of dangerous goods. HDPE 51090 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-51090-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ISO 1183
Environmental Stress Crack Resistance	27 hour	27 hour	FNCT; ISO 16770
Melt Flow	7.0 g/10 min @Load 21.6 kg, Temperature 190 °C	7.0 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133/G

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	2.00 J/cm ² @Temperature -30.0 °C	9.52 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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