

TOTAL Polyethylene HDPE 53090

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE 53090 is a semi high molecular weight (SHMW) high density polyethylene (HDPE) with high resistance to impact, rigidity and good Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow moulded articles (open top drums and jerry-cans) dedicated for the transportation of dangerous goods.
HDPE 53090 is a pellet grade and contains antioxidants.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Blow Molding Applications		
	Drums		
	Jerricans		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	9.0	g/10 min	ISO 1133
FNCT	10.0	hr	ISO 16770
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	20	kJ/m ²	ISO 179
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 220	°C	

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