

TOTAL Polyethylene HDPE 5502 (EU)

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE 5502 is a high density polyethylene (HDPE) with good compromise between stiffness and Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow molded packaging for household, industrial and cosmetics liquids.
HDPE 5502 is a pellet grade and contains antioxidants.

General Information			
Features	Good Processability		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
Uses	Blow Molding Applications		
	Bottles		
	Cosmetic Packaging		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.30	g/10 min	
190°C/21.6 kg	22	g/10 min	
Environmental Stress-Cracking Resistance (100% Antarox, F50)	60.0	hr	ASTM D1693B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m ²	ISO 179
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 222	°C	

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