

TOTAL Polyethylene HDPE 5802

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE 5802 is a high density polyethylene (HDPE) with excellent compromise between stiffness and Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow moulded packaging for household, industrial, cosmetics liquids with an optimized weight. HDPE 5802 is a pellet grade and contains antioxidants.

General Information	
Additive	Antioxidant
Features	Antioxidant
	Good Stiffness
	High ESCR (Stress Crack Resist.)
Uses	Blown Containers
	Packaging
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Natural Color
Forms	Pellets
Processing Method	Blow Molding
	Compression Molding
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.957	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)	50.0	hr	ASTM D1693B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 220	°C	

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Recommended distributors for this material

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