

# TOTAL Polyethylene HDPE 56020 S XP

High Density (UHMW) Polyethylene

TOTAL Refining & Chemicals

Message:

HDPE 56020 S XP is a very high molecular weight (VHMW) high density polyethylene (HDPE) with high resistance to impact, good chemical resistance and optimized balance between Environmental Stress Cracking Resistance (ESCR) and rigidity. It has been specifically designed for the manufacture of blow moulded UN-marked articles (tight head drums, open top drums and jerry-cans) dedicated for the transportation of dangerous goods. HDPE 56020 S XP is a pellet grade and contains antioxidants.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Chemical Resistance		
	High ESCR (Stress Crack Resist.)		
	Ultra High Molecular Weight		
Uses	Blow Molding Applications		
	Containers		
	Drums		
	Jerricans		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	1.4	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (100% Antarox, F50)	> 250	hr	ASTM D1693B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	55	kJ/m <sup>2</sup>	
23°C	80	kJ/m <sup>2</sup>	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 230	°C	

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Recommended distributors for this material

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