

TOTAL Polyethylene HDPE 56020 S

High Density (UHMW) Polyethylene

TOTAL Refining & Chemicals

Message:

HDPE 56020 S 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 is a powder grade and contains antioxidants.

General Information			
Additive	Antioxidation		
Features	Ultra high molecular weight		
	High ESCR (Stress Cracking Resistance)		
	Antioxidation		
	Good chemical resistance		
Uses	Blow molding applications		
	Drum		
	Container		
	Oil drum		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Powder		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	2.1	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (100% Antarox, F50)	> 200	hr	ASTM D1693B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	50	kJ/m ²	ISO 179
Additional Information			

Process within the temperature range 180 to 220°C.

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Recommended distributors for this material

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