

TOTAL Polyethylene Aceso® PEM 519

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE PEM 519 is a semi high molecular weight (SHMW) high density polyethylene (HDPE) with high resistance to impact and excellent Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow moulded articles (jerry-cans) dedicated for the packaging and transportation of pharmaceutical products and cosmetics liquids. However it is recommended to contact your local sales representative to obtain specific information and individual certificates regarding compliance to regulations.
HDPE PEM 519 is a pellet grade and contains antioxidants.

General Information			
Additive	Antioxidation		
Features	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	High density		
	Antioxidation		
	Impact resistance, high		
Uses	Cosmetic Packaging		
	Blow molding applications		
	Drug packaging		
	Oil drum		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	7.0	g/10 min	ISO 1133
FNCT	1.1	day	ISO 16770
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	20	kJ/m²	ISO 179
Additional Information			

It is recommended to process HDPE PEM 519 within the temperature range 180-220°C.

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Recommended distributors for this material

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