

EGYPTENE HD 5403 EA

High Density Polyethylene

Sidpec (Sidi Kerir Petrochemicals Co.)



Prospector

Product Description

HD 5403 EA is a medium molecular weight copolymer grade with a broad molecular weight distribution, which offers excellent processing properties for use in a range of blow moulding applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Asia Pacific	• Europe
Additive	• Antioxidant		
Features	• Antioxidant • Copolymer • Good Chemical Resistance • Good Processability	• High ESCR (Stress Crack Resist.) • High Rigidity • Med.-Wide Molecular Weight Distrib. • Medium Impact Resistance	• Medium Molecular Weight • Oil Resistant
Uses	• Blow Molding Applications • Containers	• Household Goods • Packaging	
Agency Ratings	• EU 2002/72/EC		
Forms	• Pellets		
Processing Method	• Blow Molding		

Physical	Nominal Value Unit	Test Method
Density	0.955 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	0.35 g/10 min	ISO 1133
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Yield)	26.0 MPa	ISO 527-2
Tensile Strain (Break)	950 %	ISO 527-2
Flexural Modulus	1070 MPa	ISO 178

Additional Information

The values listed as Tensile Stress at Yield and Tensile Strain at Break, ISO 527-1,-2, were tested in accordance with BP 13B/1. Impact Resistance, BP 13B/11, F50: 2.4 M BSCR, BP 13C/25, F50, 50°C: 15 hours

Notes

¹ Typical properties: these are not to be construed as specifications.

Revision History