

HDPE**HDPE HD 5403 EA****HIGH DENSITY POLYETHYLENE (HDPE)**

This 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 moulded applications. The grade has the following characteristics:

Typical Application	Product Characteristics	International Compliance
• Blow moulded containers up to 30 liters for packaging chemicals • Household products	• Excellent processing • Good rigidity • High environmental stress-cracking resistance • Medium impact strength	• EU Regulation (EU) No 10/2011 (Food Contact Plastics) • EC Regulation 1935/2004 (taint and odour)

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Flow Rate (190°C/2.16kg)	ISO 1133	0.35	g/10 min
Density	ISO 1872/1	0.955	g/cm ³
Tensile Strength at Yield	BP 13B/I	26	MPa
Elongation at Break	BP 13B/I	950	%
Flexural Modulus	ISO 178-1975	1070	MPa
Impact Resistance, F50	BP 13B/II	2.4	m
Bottle Stress Cracking Resistance (BSCR), 50°C	BP 13C/25	15	h

Processing Guidelines

EA designation indicates standard, unmodified resin except for antioxidant stabilization.

1. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.

2. Food-contact compliance and taint/odour conformity were verified by independent third-party testing (overall migration below EU 10/2011 limits; no taint transfer per EC 1935/2004); a written Statement of Compliance is supplied per production lot at order.