



SABIC® HDPE B5403M

PROVISIONAL TECHNICAL DATA SHEET HIGH DENSITY POLYETHYLENE

DESCRIPTION

HDPE B5403M is a High Density Polyethylene specially developed for blow molding / Jerry cans and drums. The material offers an excellent combination of stiffness and ESCR and a high Impact resistance.

TYPICAL APPLICATIONS

B5403M is specially designed for standard jerry cans, UN approved jerry cans, standard drums, L-ring drums for packaging of dangerous goods and UN approved open top drums.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 190°C and 10kg	0.5	g/10 min	ISO 1133
at 190°C and 21.6 kg	2.7	g/10 min	ISO 1133
FRR (MFR 21.6kg/ MFR 5kg)	5.4	-	ISO 1133
Density			
@23°C	954	kg/m ³	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
Tensile modulus	1230	MPa	ISO 527
Tensile Impact Strength at -30°C (Notched)	≥200	kJ/m ²	ISO 8256
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C) ⁽²⁾	6	Hrs	ISO 16770