

# 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
<b>POLYMER PROPERTIES<sup>(1)</sup></b>			
Melt Flow Rate (MFR)			
at 190°C and 10 kg	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 <sup>3</sup>	ISO 1183
<b>MECHANICAL PROPERTIES<sup>(2)</sup></b>			
Tensile modulus	1230	MPa	ISO 527
Tensile Impact Strength at -30°C (Notched)	≥200	kJ/m <sup>2</sup>	ISO 8256
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C) <sup>(2)</sup>	6	Hrs	ISO 16770