

# SABIC® HDPE B5403

## HIGH DENSITY POLYETHYLENE

### DESCRIPTION

B5403 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. This grade can be used in food contact applications.

### TYPICAL APPLICATIONS

B5403 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. This grade can be used in food contact applications.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Melt Flow Rate (MFR) 190°C & 21.6 kg load <sup>(1)</sup>	2.6	g/10 min	ISO 1133
Density at 23°C <sup>(1)</sup>	954	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
Tensile modulus <sup>(2)</sup>	1200	MPa	ASTM D638
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Strain at Yield	8	%	ISO 527-1/-2
Tensile Impact Strength at -30°C (Notched)	290	kJ/m <sup>2</sup>	ISO 8256
Charpy Notched Impact Strength (-30°C, Type 1, Notch A)	80	kJ/m <sup>2</sup>	ISO 179
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	14	Hrs	ISO 16770