

POLYMERS

SABIC[®] HDPE Blow molding B5403

PRODUCT DESCRIPTION

HDPE B5403 is high density polyethylene specially developed for large blow molding / Jerry cans and Drums. The material offers and excellent combination of stiffness and ESCR and a high Impact resistance. The grade is intended for food contact application.

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. The grade is food contact approved.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate			
@ 190°C & 21.6 kg load	g/10 min	2.6	ISO 1133
Density @ 23°C	Kg/m ³	954	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Modulus	MPa	1200	ISO 527-1,-2
Tensile Strength @ Yield	MPa	27	ISO 527-1,-2
Tensile Strain @ Yield	MPa	8	ISO 527-1,-2
Tensile Impact Strength @ -30°C (Notched)	kJ/m ²	290	ISO 8256
Charpy Notched Impact Strength (-30°C, Type 1, Notch A)	kJ/m ²	80	ISO 179
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	14	ISO 16770

(1) Typical values: not to be construed as specification limits.

(2) Based on compression molded sheet.

Processing condition:

Recommended processing temperature 180-220°C