

POLYMERS

SABIC[®] HDPE Blow molding B1054

PRODUCT DESCRIPTION

HDPE B1054 is high density polyethylene specially developed for large blow molding and jerry cans. The material offers high stiffness, good processability and excellent combination of stiffness/ESCR.

TYPICAL APPLICATIONS

B1054 is specially designed for Standard jerry cans, Light weight jerry cans and UN approved jerry cans. The grade is intended for use in food contact application.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate			
@ 190°C & 5 kg load	g/10 min	0.45	ISO 1133
@ 190°C & 21.6 kg load		9.5	
Density @ 23°C	Kg/m ³	954	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Modulus	MPa	1250	ISO 527-1,-2
Tensile Stress @ Yield	MPa	27	ISO 527-1,-2
Tensile Strain @ Yield	%	10	ISO 527-1,-2
Tensile Impact Strength @ -30°C (Notched)	kJ/m ²	90	ISO 8256
Hardness (Shore D)	-	62	ISO 868
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	40	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