

## POLYMERS

# SABIC<sup>®</sup> 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 <sup>(1)</sup>	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 <sup>3</sup>	954	ISO 1183
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
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 <sup>2</sup>	90	ISO 8256
Hardness (Shore D)	-	62	ISO 868
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	40	ISO 16770