

# SABIC® HDPE B1054

## HIGH DENSITY POLYETHYLENE

### DESCRIPTION

B1054 is a High Density Polyethylene specially developed for 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 can be used in food contact applications.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES <sup>(1)</sup></b>			
Melt Flow Rate (MFR)			
at 190°C and 5 kg load	0.45	g/10 min	ISO 1133
at 190°C and 21.6 kg load	9.5	g/10 min	ISO 1133
<b>Density at 23°C <sup>(1)</sup></b>	<b>954</b>	<b>kg/m<sup>3</sup></b>	<b>ASTM D1505</b>
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile modulus	1250	MPa	ASTM D638
Tensile Stress at Yield	27	MPa	ISO 527-1/-2
Tensile Strain at Yield	10	%	ISO 527-1/-2
Tensile Impact Strength at -30°C (Notched)	90	kJ/m <sup>2</sup>	ISO 8256
Hardness (Shore D)	62	-	ASTM D2240
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	40	Hrs	ISO 16770