



# SABIC<sup>®</sup> HDPE ICP49007S

HIGH DENSITY POLYETHYLENE

## DESCRIPTION

SABIC<sup>®</sup> HDPE ICP49007S is a high density polyethylene typically used for state of the art blow moulding UN certified Intermediate Bulk Containers and Heating Oil Tanks, up to 1000 liters and more. This UV-stabilised and food approved grade combines good processing performance with good stress crack resistance, stiffness and impact performance. This product is not intended for and must not be used in any pharmaceutical/medical applications.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 190 °C and 21.6 kg	7	dg/min	ASTM D1238
<b>Density</b>	949	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Izod impact notched at -30 °C</b>	200	J/m	ASTM D256
<b>ESCR (Strain Hardening), Gp</b>	25	MPa	ISO 18488
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature <sup>(1) (2)</sup></b>			
at 10 N (VST/A)	123	°C	ISO 306/A

(1) Compression moulding of test specimen according to ISO 1872-2

(2) Conditioning of test specimen: temp. 23 °C, relative humidity 50 %, 24 hours