

# 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

## QUALITY

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO 9001.

## STORAGE AND HANDLING

Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.