

## POLYMERS

# SABIC<sup>®</sup> LDPE

## HP0722N

Low Density Polyethylene for Blown Film

### PRODUCT DESCRIPTION:

HP0722N is Low Density Polyethylene grade suitable for producing medium duty films and contains no slip and antiblock additives. It gives good toughness and optical properties in the film.

### TYPICAL APPLICATIONS:

HP0722N can be used for medium duty bags, shrink films, shopping bags, lamination films and frozen food packaging.

### TYPICAL PROPERTY VALUES:

RESIN PROPERTIES	UNIT	VALUE <sup>(1)</sup>	TEST METHOD
Melt Flow Rate @ 190°C & 2.16 kg load	g/10 min.	0.75	D 1238
Density @ 23°C	kg/m <sup>3</sup>	922	D 1505
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Strength @ break, MD	MPa	26	D 882
TD		24	
Tensile Elongation @ break, MD	%	235	D 882
TD		560	
Tensile Strength @ yield, MD	MPa	12	D 882
TD		11	
1% Secant Modulus, MD	MPa	190	D 882
TD		220	
Dart Impact Strength	g/ micron	2	D 1709
Tear Resistance, MD	g/ micron	6	D 1922
TD	g/ micron	4	D1004
<b>OPTICAL PROPERTIES <sup>(2)</sup></b>			
Haze	%	9	D 1003
Gloss @ 45°	-	60	D 2457
<b>THERMAL PROPERTIES</b>			
Vicat Softening Point	°C	95	D 1525

(1) Typical values; not to be construed as specification limits.

(2) Properties have been measured by producing 50 µ film with 2.5 BUR using 100% HP0722N.

## PROCESSING CONDITIONS:

Typical molding conditions for HP0722N are:

- Barrel temperature: 170 - 185°C
- Blow up ratio: 2.0 – 4.0

## FOOD REGULATION

HP0722N is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contacts SABIC local representative for certificate.

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical/medical applications.

## STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions, which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.