



SABIC® LDPE HP0722NN

LOW DENSITY POLYETHYLENE FOR BLOWN FILM

DESCRIPTION

HP0722NN is an additive free low density polyethylene grade suitable for producing medium duty films. It gives good toughness and optical properties in the film.

TYPICAL APPLICATIONS

HP0722NN can be used for medium duty bags, shrink films, shopping bags, lamination films and frozen food packaging.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16kg	0.75	g/10 min	ASTM D1238
Density			
at 23°C	922	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Dart Impact Strength ⁽¹⁾	2	g/μm	ASTM D1709
OPTICAL PROPERTIES			
Haze	9	%	ASTM D1003
Gloss @ 45°	60	-	ASTM D2457
FILM PROPERTIES			
Tensile Properties			
stress at break, MD	26	MPa	ASTM D882
stress at break, TD	24	MPa	ASTM D882
strain at break, MD	235	%	ASTM D882
strain at break, TD	560	%	ASTM D882
stress at yield, MD	12	MPa	ASTM D882
stress at yield, TD	11	MPa	ASTM D882
1% secant modulus, MD	190	MPa	ASTM D882
1% secant modulus, TD	220	MPa	ASTM D882
Tear Resistance			
MD	6	g/μm	ASTM D1922
TD	4	g/μm	ASTM D1922
THERMAL PROPERTIES			
Vicat Softening Temperature	95	°C	ASTM D1525

(1) Properties have been measured by producing 50 μ film with 2.5 BUR using 100% HP0722NN