

SABIC[®] LDPE 2600H0

LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC[®] LDPE 2600H0 is a grade with a low MFR and increased density. The material contains no additives. The films are characterized by very good mechanical properties.

Application

SABIC[®] LDPE 2600H0 is, due to its good thin film processability, typically used for technical applications like shrink film for mineral water packaging.

Film properties

Film properties have been measured at film of 50 µm with a BUR of 3.

The film has been produced on Kiefel IBC blown film line with 200 kg/h. Die size 200 mm, die gap 0.8 mm.

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
POLYMER PROPERTIES			
Melt Flow Rate			
at 190 °C and 2.16 kg	0.33	dg/min	ISO 1133
Density	926	kg/m ³	ASTM D1505
OPTICAL PROPERTIES			
Gloss (45°)	57	%	ASTM D2457
Haze	8	%	ASTM D1003
FILM PROPERTIES			
Impact strength	25	kJ/m	ASTM D4272
Tear strength TD	45	kN/m	ISO 6383-2
Tear strength MD	35	kN/m	ISO 6383-2
Tensile test film			
Stress at break TD	25	MPa	ISO 527-3
Modulus of elasticity TD	220	MPa	ISO 527-3
Stress at break MD	28	MPa	ISO 527-3
Yield stress TD	12	MPa	ISO 527-3
Tensile test film			
Strain at break MD	>200	%	ISO 527-3
Strain at break TD	>500	%	ISO 527-3
Coefficient of friction	1.0	-	ASTM D1894
Blocking	20	g	SABIC method
Re-blocking	<5	g	SABIC method
THERMAL PROPERTIES			
Vicat Softening Temperature			
at 10 N (VST/A)	103	°C	ISO 306