

# SABIC® LDPE 2404H4

## LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® LDPE 2404H4 is a grade with a high level of anti block and slip agent. The grade has a very good draw down ability. Typically films produced from this grade are stiff, have very good optical properties, low CoF and no blocking.

#### Application

SABIC® LDPE 2404H4 is typically used for stiffer thin films for textile packaging.

#### Film properties

Film properties have been measured at film of 25 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
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190 °C and 2.16 kg	4.7	dg/min	ISO 1133
<b>Density</b>	925	kg/m <sup>3</sup>	ASTM D1505
<b>OPTICAL PROPERTIES</b>			
<b>Gloss (45°)</b>	50	%	ASTM D2457
<b>Haze</b>	11	%	ASTM D1003
<b>FILM PROPERTIES</b>			
<b>Impact strength</b>	13	kJ/m	ASTM D4272
<b>Tear strength TD</b>	30	kN/m	ISO 6383-2
<b>Tear strength MD</b>	90	kN/m	ISO 6383-2
<b>Tensile test film</b>			
Modulus of elasticity TD	250	MPa	ISO 527-3
Stress at break MD	28	MPa	ISO 527-3
Stress at break TD	16	MPa	ISO 527-3
Yield stress TD	12	MPa	ISO 527-3
Modulus of elasticity MD	240	MPa	ASTM D882
Strain at break MD	100	%	ISO 527-3
<b>Tensile test film</b>			
Strain at break TD	>500	%	ISO 527-3
<b>Coefficient of friction</b>	0.2	-	ASTM D1894
<b>Blocking</b>	<5	g	SABIC method
<b>Re-blocking</b>	20	g	SABIC method
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
at 10 N (VST/A)	94	°C	ISO 306