

SABIC® LDPE 2602HOW

LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC® LDPE 2602HOW is a grade with very good optical properties. The grade contains no additives, has an increased density and shows a good draw down ability. The films are characterized by good mechanical properties.

Application

SABIC® LDPE 2602HOW is typically used for applications where enhanced stiffness is required. SABIC® LDPE 2602HOW can typically be used for food applications due to very low migration levels.

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			
Density	926	kg/m ³	ISO 1183
Melt Flow Rate (MFR) at 190 °C and 2.16 kg	1.9	dg/min	ISO 1133
OPTICAL PROPERTIES			
Gloss (45°)	70	%	ASTM D2457
Haze	6	%	ASTM D1003
FILM PROPERTIES			
Impact strength	15	kJ/m	ASTM D4272
Tear strength TD	40	kN/m	ISO 6383-2
Tear strength MD	90	kN/m	ISO 6383-2
Tensile test film			
Modulus of elasticity MD	250	MPa	ISO 527-3
Yield stress TD	13	MPa	ISO 527-3
Modulus of elasticity TD	260	MPa	ISO 527-3
Stress at break MD	30	MPa	ISO 527-3
Stress at break TD	20	MPa	ISO 527-3
Tensile test film			
Strain at break MD	>300	%	ISO 527-3
Strain at break TD	>500	%	ISO 527-3
Coefficient of friction			
Blocking	10	g	SABIC method
Re-blocking	30	g	SABIC method
THERMAL PROPERTIES			
Vicat Softening Temperature at 10 N (VST/A)	99	°C	ISO 306