

SABIC® LDPE 7019EC

LOW DENSITY POLYETHYLENE FOR EXTRUSION COATING

DESCRIPTION

7019EC is a Low Density Polyethylene resin produced using Autoclave technology. 7019EC is designed for high speed extrusion coating application. 7019EC contains no additives such as slip agent or anti-blocking agents.

TYPICAL APPLICATIONS

Extrusion coating

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16kg	7.0	g/10 min	ISO 1133
Density			
Density	919	kg/m ³	ISO 1183
MECHANICAL PROPERTIES ^{(1) (2)}			
Tensile Properties			
Tensile Strength at Break	14	MPa	ASTM D638
Tensile Elongation at Break ⁽³⁾	550	%	ASTM D638
Stiffness	165	MPa	ASTM D746
ESCR	1.9	Hrs	ASTM D1693
THERMAL PROPERTIES			
Vicat Softening Temperature			
Vicat Softening Temperature @10N	86	°C	ASTM D1525
Melting Point	106	°C	SABIC method

(1) Based on molded specimens.

(2) Typical values: not to be construed as specification limits.

(3) Test Speed 200 mm/min

PROCESSING CONDITIONS

Typical processing temperature: 300 - 340 °C.

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.