

POLYMERS

SABIC® mLLDPE 8315

Metallocene Linear Low Density Polyethylene for Cast Film

PRODUCT DESCRIPTION:

SABIC® mLLDPE 8315 is an ethylene-octene copolymers produced via Nexlene™ Technology. It performs well in a wide range of general purpose and high performance LLDPE cast film applications and has excellent impact strength and good transparency.

8315: Slip: No; Antiblock: No

TYPICAL APPLICATIONS:

Stretch wrap film, silage film.

TYPICAL PROPERTY VALUES:

PROPERTIES		Unit	Typical Value ⁽¹⁾	Test Method
Melt Index @ 190°C & 2.16 kg load		g/10 min	3.0	ASTM D 1238
Density @ 23°C		kg/m ³	915	ASTM D 792
Melting Point		°C	~113	Internal Method
MECHANICAL PROPERTIES ⁽²⁾				
Tensile Strength @ Break	MD	MPa	48	ASTM D 882
	TD		49	
Tensile Elongation @ Break	MD	MPa	600	ASTM D 882
	TD		700	
Tensile Strength @ Yield	MD	MPa	11	ASTM D 882
	TD		10	
Dart Impact Strength		g	1000	ASTM D 1709A
Elmendorf Tear Resistance	MD	g/μm	11	ASTM D 1922
	TD	g/μm	25	
OPTICAL PROPERTIES ⁽²⁾				
Haze		%	1.5	ASTM D 1003

(1) Typical values; not to be construed as specification limits.

(2) Properties have been measured by producing 40 μm cast film using 100% 8315.

PROCESSING CONDITIONS:

Typical processing conditions for 8315 are:

Barrel temperature: 250 - 300°C

Chill roll temperature: 15 - 25°C

FOOD REGULATION:

Please contact the local Sales / Technical representative for details.

DECLAIMER:

The grades are not intended for and must not be used in any pharmaceutical / medical applications.

STORAGE AND HANDLING:

The 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 that 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.

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