

SABIC® HDPE F01257AM

PROVISIONAL TECHNICAL DATA SHEET HIGH DENSITY MULTI-MODAL POLYETHYLENE FOR BLOWN FILM

DESCRIPTION

SABIC® HDPE F01257AM is a multimodal high density polyethylene grade typically used for blown film applications. This grade has outstanding combination of stiffness and impact performance. SABIC® HDPE F01257AM can be processed on blown film lines at high output rates with excellent bubble stability, very low gel levels and homogeneous appearance which converters and end-users require for high quality thin and thick film production.

TYPICAL APPLICATIONS

SABIC® HDPE F01257AM is typically used for the production of lamination and release films, artificial paper, labels, bags, grocery sacks, shopping bags, refuse bags, liners, bitumen release foils, labels, thin films for bag on roll and heavy duty bags.

TYPICAL PROPERTY VALUES

Revision 20230629

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	0.957	kg/m ³	ISO 1183
Melt Flow Rate (MFR)			
at 190 °C and 5kg	0.4	g/10 min	ISO 1133
at 190 °C and 21.6kg	12	g/10 min	ISO 1133
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile Strength	75	MPa	ISO 527
Dart Impact Strength	>200	g	ASTM D1709

(1) Film properties are measured using 20 µm thickness with blow-up ratio 4 : 1

PROCESSING CONDITIONS

Typical processing conditions for F01257AM are: Melt Temperature: 200 - 225°C. Frost Line Height: 6 - 8 times die cross-cut. BUR: 3 – 5

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 polyethylene resin within 6 months after delivery.

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