

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, inliners, bitumen release foils, labels, thin films for bag on roll and heavy duty bags.

TYPICAL PROPERTY VALUES

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