

Ecoflex F BX 7011

Product Description

A flexible plastic designed for film extrusion and extrusion coating. Ecoflex® F BX 7011 comes closer than any other biodegradable plastic to the processing properties of LDPE and LLDPE. Blown film extrusion is a particular area where Ecoflex® F shows well-balanced processing properties, and the resin can also be used in extrusion coating applications. Ecoflex F requires no predrying prior to extrusion. Antiblock and Slip additives are recommended and are available from BASF.

Applications

Ecoflex® F BX 7011 can be used for applications such as compost bags, trash bags, carrier bags, bags for fruits and vegetables, general packaging films, agricultural films, and laminating films for trays made from natural materials.

PHYSICAL	Test Method	Property Value
Mass Density	ISO 1183	1.25 to 1.27
Melt Flow Rate (190 °C, 2.16 Kg), g/10min.	ISO 1133	2.7 to 4.9
Melt Volume Rate (190 °C, 2.16 Kg), ml/10min.	ISO 1133	2.5 to 4.5
MECHANICAL	Test Method	Property Value
ISO Hardness, Shore D	ISO 868	32
THERMAL	Test Method	Property Value
Melting Point, °C(°F)	DSC	110 to 120
Vicat (A/50), °C	ISO 306	80
PROPERTIES FOR BLOWN FILM, 50 m	Test Method	Property Value
Light Transmittance, %	D-1003	82
Tensile Strength, N/mm ²	ISO 527	34
Ultimate Strength, N/mm ²	ISO 527	34
Failure Energy (Dyna-Test), J/mm	DIN 53373	24
Ultimate Elongation (MD), %	ISO 527	560
Ultimate Elongation (TD), %	ISO 527	700
Oxygen Permeation Rate, cc/(m ² d*bar)	DIN 53380	1,600
Water Permeation Rate, g/(m ² *d)	DIN 53122	140

Note

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