Polybutene-1 DP 8310M

LyondellBasell Industries - Polybutylene

Monday, November 4, 2019

General Information

Product Description

Polybutene-1 grade DP8310M is a random copolymer of butene-1 with high ethylene content.
This product is primarily used to modify sealing properties or mechanical properties of other polyolefins such as polypropylene or polyethylene.

DP 8310M is highly compatible with polypropylene due its similar molecular structure. It is less compatible in blends with polyethylene but it is still easily dispersible.

Food law compliance information about this product can be found in separate product documentation.

This product is not intended for use in medical and pharmaceutical applications.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Random Copolymer		
Uses	• Blown Film • Cast Film	• Film • Plastics Modification	
Processing Method	• Blown Film	• Cast Film	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.897	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	3630	psi	ISO 527-2
Tensile Strain (Break)	300	%	ISO 527-2
Flexural Modulus	17400	psi	ISO 178
Thermal	**Nominal Value**	**Unit**	
Melting Temperature (DSC)			
-- [2]	178	°F	
-- [3]	201	°F	

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	302 to 356	°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Tm2

[3] Tm1

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