

Product Data

Moplen EP310D

Moplen EP310D is a low fluidity heterophasic copolymer designed for extrusion applications where smooth processability and high mechanical properties are of the utmost importance. Main applications are extrusion of film for heavy duty applications, adhesive tapes, lamination film and extrusion blow moulded containers for e.g. detergents.

Moplen EP310D is suitable for food contact.

Typical Resin Properties		Method	Unit	Value ^(*)
Melt Flow Rate (230/2.16)		ISO 1133	g/10 min	0.8
Density at 23°C		ISO 1183	g/cm ³	0.9
Tensile Modulus	(1 mm/min)	ISO 527-2	MPa	1200
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	MPa	27
Tensile Elongation at Yield	(50 mm/min)	ISO 527-2	%	11
Tensile Elongation at Break	(50 mm/min)	ISO 527-2	%	420
Charpy impact strength, Notched	23°C	ISO 179-1/1eA	KJ/m ²	44
	0 °C	ISO 179-1/1eA	KJ/m ²	6.0
	-20°C	ISO 179-1/1eA	KJ/m ²	4.2
Hardness Shore D		ISO 868	units	62
Heat Deflection Temperature, HDT/B	(0.46 MPa)	ISO 75-2	°C	72
Vicat Softening Temperature, VST/A50	(10N)	ISO 306	°C	150
Typical Film Properties (60 µm blown laboratory film)		Method	Unit	Value ^(*)
Gloss		ASTM D 2457	units	12
Haze		ASTM D 1003	%	60
Tensile Young Modulus	(25 mm/min)	ASTM D 882	MPa	1200
Stress at Yield	(500 mm/min)	ASTM D 882	MPa	27
Elongation at Yield	(500 mm/min)	ASTM D 882	%	7
Stress at Break	(500 mm/min)	ASTM D 882	MPa	49
Elongation at Break	(500 mm/min)	ASTM D 882	%	830

(*) The property values shown are based on a limited number of tests and, therefore, should not be construed as product specifications.

Regional Sales Offices : France +33 1 49 64 58 00 Benelux +31 168 384 400 Spain +34 934 96 4240
 Italy +39 02 6712 1 Germany +49 61 31 20 70 UK +44 1244 670 000

you can find out more about Basell by contacting our website at : <http://www.basell.com>

Basell cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. Basell accepts no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, Basell sells the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from handling and use of our products, whether used alone or in combination with other products. The property values quoted are typical of European produced grades only and do not constitute a specification. Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.