

Product Texts

Lumicene mPE M 2009 EP is a metallocene based Linear Low Density Polyethylene with hexene as comonomer .

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.9	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	113	°C	ISO 11357-1/-3

Optical properties

	Value	Unit	Test Standard
ISO Data			
Haze	5	-	ISO 14782
ASTM Data			
Gloss	73	-	ASTM D 2457

Other properties

	Value	Unit	Test Standard
Density	920	kg/m ³	ISO 1183

Film Properties

	Value	Unit	Test Standard
ISO Data			
Stress at yield, parallel	10	MPa	ISO 527-3
Stress at yield, normal	10	MPa	ISO 527-3
Stress at break, parallel	55	MPa	ISO 527-3
Stress at break, normal	56	MPa	ISO 527-3
Maximum strain, parallel	600	%	ISO 527-3
Maximum strain, normal	690	%	ISO 527-3
Dart drop A	1000	g	ISO 7765-1
Type of extrusion	blown	-	-
Thickness of specimen	0.04	mm	-

Processing Recommendation Extrusion

	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	180 - 230	°C	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion

Regional Availability

Europe

Chemical Resistance

Oxidation Resistance