

Product Texts

Lumicene mPE M 3427 is a metallocene based Polyethylene with hexene as comonomer.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3.1	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	123	°C	ISO 11357-1/-3

Optical properties	Value	Unit	Test Standard
ISO Data			
Haze	2.3	-	ISO 14782
ASTM Data			
Gloss	86	-	ASTM D 2457

Other properties	Value	Unit	Test Standard
Density	934	kg/m ³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Stress at yield, parallel	12	MPa	ISO 527-3
Stress at yield, normal	11.5	MPa	ISO 527-3
Stress at break, parallel	39	MPa	ISO 527-3
Stress at break, normal	27	MPa	ISO 527-3
Maximum strain, parallel	480	%	ISO 527-3
Maximum strain, normal	590	%	ISO 527-3
Dart drop A	53	g	ISO 7765-1
Type of extrusion	cast	-	-
Thickness of specimen	0.02	mm	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	240 - 280	°C	-

Characteristics**Processing**

Film Extrusion

Certifications

Food contact

Features

Good Drawdown, Low Neck-In

Applications

Packaging

Chemical Resistance

Oxidation Resistance

Regional Availability

Europe