

TECHNICAL DATA SHEET

LUMICENE® MR 10MX0

TotalEnergies

Processing

Injection molding, Blow molding

Special Characteristics

Transparent

Features

High gloss, Copolymer, Random copolymer

Certifications

Food contact

Applications

Medical, Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Tensile modulus	1250	MPa	ISO 527
Yield stress	31	MPa	ISO 527
Yield strain	10	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	140	°C	ISO 11357-1/-3
Other Properties	Value	Unit	Standard
Density	902	kg/m ³	ISO 1183
Bulk density	525	kg/m ³	