

Lupolen 3721C

(PE-MD)

LyondellBasell Industries

Material is a medium density polyethylene with hexene as comonomer.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.6	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	700	MPa	ISO 527
Yield stress	20	MPa	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	127	°C	ISO 11357-1/-3
Vicat softening temperature A	121	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	937	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum strain, parallel	650	%	ISO 527-3
Maximum strain, normal	650	%	ISO 527-3
Type of extrusion	blown	-	-
Thickness of specimen	0.02	mm	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	180 - 240	°C	-

Characteristics

Processing

Film Extrusion, Blown Film Extrusion

Chemical Resistance

Oxidation Resistance

Delivery form

Pellets

Certifications

Food approval

Features

Blending Resin, Good Drawdown, Heat Sealable

Applications

Packaging