

Lupolen 3420J (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	3	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	480	MPa	ISO 527
Yield stress	16	MPa	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	119	°C	ISO 11357-1/-3
Vicat softening temperature A	109	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	934	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum strain, parallel	500	%	ISO 527-3
Maximum strain, normal	650	%	ISO 527-3
Dynamic Coefficient of Friction	0.65	-	ISO 8295
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	85	-	ASTM D 2457
Haze	10	%	ASTM D 1003

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	150 - 190	°C	-

Characteristics

Processing

Film Extrusion, Blown Film Extrusion

Delivery form

Pellets

Features

High Gloss

Certifications

Food approval

Applications

Packaging