

CirculenRenew C14 LD3020F (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.9	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	300	MPa	ISO 527
Yield stress	12	MPa	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	114	°C	ISO 11357-1/-3
Vicat softening temperature A	100	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	927	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum stress, parallel	27	MPa	ISO 527-3
Maximum stress, normal	22	MPa	ISO 527-3
Maximum strain, parallel	300	%	ISO 527-3
Maximum strain, normal	600	%	ISO 527-3
Dynamic Coefficient of Friction	0.8	-	ISO 8295
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	100	-	ASTM D 2457
Haze	7	%	ASTM D 1003

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	blown	-	-
Melt temperature	170 - 220	°C	-

Characteristics

Processing

Film Extrusion, Blown Film Extrusion

Delivery form

Pellets

Features

Heat Sealable, Melt Strength

Certifications

Contains renewable resources, Recycled Resin Content, Food approval

Applications

Packaging