

CirculenRenew C14 LD3020K (PE-LD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	4	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	13	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	97	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	928	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Maximum stress, parallel	20	MPa	ISO 527-3
Maximum stress, normal	17	MPa	ISO 527-3
Maximum strain, parallel	350	%	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	115	-	ASTM D 2457
Haze	7	%	ASTM D 1003

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

Characteristics

Processing

Injection Molding, Film Extrusion, Blown Film Extrusion

Delivery form

Pellets

Features

Heat Sealable, High Gloss

Certifications

Contains renewable resources, Recycled Resin Content, Food approval

Applications

Packaging