

Clyrell RC110E

PP RANDOM

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.8	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	19.5	MPa	ISO 527
Yield strain	16.5	%	ISO 527
Stress at Break	27	MPa	ISO 527
Strain at Break	420	%	ISO 527
Notched Impact Strength (Charpy), +23°C	80	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	500	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature A	118	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m ³	ISO 1183

Film Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength, TD	735	MPa	ASTM D 882
Tensile Strength at Yield, MD	700	MPa	ASTM D 882
Tensile Strength at Break, TD	27	MPa	ASTM D 882
Elongation at Yield, MD	25	MPa	ASTM D 882
Elongation at Yield, TD	52	MPa	ASTM D 882
Elongation at Break, MD	46	MPa	ASTM D 882
Elongation at Break, TD	15	%	ASTM D 882
Type of extrusion	12	%	ASTM D 882
Thickness of specimen	940	%	ASTM D 882
Elongation at Break, TD	30	%	ASTM D 882
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	32	-	ASTM D 2457
Haze	21	%	ASTM D 1003

Characteristics

Processing

Film Extrusion, Blown Film Extrusion

Certifications

Food approval

Features

Copolymer, Random Copolymer

Applications

Packaging