

Clyrell RC124H
PP RANDOM

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	2.2	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	750	MPa	ISO 527
Yield stress	25	MPa	ISO 527
Yield strain	15	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	30	kJ/m ²	ISO 179/1eA

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	69	°C	ISO 75-1/-2
Vicat softening temperature A	122	°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	840	MPa	ASTM D 882
Tensile Strength at Yield, MD	860	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	31	MPa	ASTM D 882
Elongation at Break, MD	27	MPa	ASTM D 882
Elongation at Break, TD	9	%	ASTM D 882
Type of extrusion	8	%	ASTM D 882
Thickness of specimen	590	%	ASTM D 882
Elongation at Break, TD	540	%	ASTM D 882
Type of extrusion	blown	-	-
Thickness of specimen	0.04	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	91	-	ASTM D 2457
Haze	1	%	ASTM D 1003

Characteristics
Processing

Sheet Extrusion, Thermoforming, Blown Film Extrusion, Pipe/Tube Extrusion

Special Characteristics

Impact modified, Transparent

Features

Copolymer, Random Copolymer

Certifications

Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)

Applications

Packaging