

Clyrell RC213M

PP RANDOM

LyondellBasell Industries

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

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1050	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	3.4	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	1.5	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	66	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	65	°C	ISO 75-1/-2
Vicat softening temperature A	130	°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 at Break, TD	22	MPa	ASTM D 882
Elongation at Yield, TD	35	MPa	ASTM D 882
Elongation at Break, TD	10	%	ASTM D 882
Thickness of specimen	750	%	ASTM D 882
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	90	-	ASTM D 2457
Haze	1	%	ASTM D 1003

Characteristics

Processing

Film Extrusion

Additives

Antiblocking agent

Features

Heat Sealable, Weldable, Copolymer, Random Copolymer

Certifications

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

Applications

Packaging