

Moplen RP316M
PP RANDOM

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	8	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1100	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	11	%	ISO 527
Strain at Break	520	%	ISO 527
Notched Impact Strength (Charpy), +23°C	3.4	kJ/m ²	ISO 179/1eA
Shore Hardness D (15s)	67	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	72	°C	ISO 75-1/-2
Vicat softening temperature A	135	°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	780	MPa	ASTM D 882
Tensile Strength at Break, TD	20	MPa	ASTM D 882
Elongation at Yield, TD	40	MPa	ASTM D 882
Elongation at Break, TD	6.3	%	ASTM D 882
Thickness of specimen	730	%	ASTM D 882
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	88	-	ASTM D 2457
Haze	1.5	%	ASTM D 1003

Characteristics
Processing

Film Extrusion

Features

High Gloss, Weldable, Copolymer, Random Copolymer

Additives

Antiblocking agent

Certifications

Food approval

Special Characteristics

Anti-static, Transparent

Applications

Packaging