

Moplen EP445L

PP COPO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	6	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1500	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	8.5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness	64	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	100	°C	ISO 75-1/-2
Vicat softening temperature A	151	°C	ISO 306

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

Characteristics

Processing

Injection Molding, Compression Molding

Additives

Antiblocking agent

Special Characteristics

Anti-static, Impact modified

Features

Blush Resistance/Low Crease Whitening, Nucleated, Copolymer, Impact Copolymer

Chemical Resistance

Environmental Stress Crack Resistance

Applications

Packaging, Sports Equipment