

Moplen EP400H

PP COPO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	1.7	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1300	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	8	%	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	30	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness	48	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	78	°C	ISO 75-1/-2
Vicat softening temperature A	153	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	70	°C	ISO 306

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

Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion, Blow Molding, Thermoforming

Special Characteristics

Impact modified

Features

Creep Resistance, Copolymer, Impact Copolymer

Applications

Packaging