

Moplen EP500V

PP COPO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	135	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt Flow Index, MFI	100	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	26	MPa	ISO 527
Yield strain	6	%	ISO 527
Strain at Break	20	%	ISO 527
Notched Impact Strength (Charpy), +23°C	5	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness	81	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	93	°C	ISO 75-1/-2
Vicat softening temperature A	149	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	74	°C	ISO 306

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

Characteristics

Processing

Injection Molding

Special Characteristics

Impact modified

Features

Copolymer, Impact Copolymer

Certifications

Food approval

Applications

Packaging, Sports Equipment