

Moplen HP456J

PP HOMO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	3.4	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	34	MPa	ISO 527
Yield strain	11	%	ISO 527
Stress at Break	23	MPa	ISO 527
Strain at Break	600	%	ISO 527
Impact Strength (Charpy), +23°C	190	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	4	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	1400	MPa	ISO 178
Ball Indentation Hardness	74	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	90	°C	ISO 75-1/-2
Vicat softening temperature A	153	°C	ISO 306

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

Characteristics

Processing

Other Extrusion, Thermoforming

Applications

Monofilament

Features

Homopolymer