

Moplen EP548S

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	44	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	44	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1550	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	30	%	ISO 527
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA
Ball indentation hardness	68	MPa	ISO 2039-1
ASTM Data			
Tensile Strength at Yield	27	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Flexural Modulus	1500	MPa	ASTM D 790
Izod Impact notched, 1/8 in	46	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	151	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	116	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static, Opaque

Features

Nucleated, Copolymer, Impact Copolymer

Certifications

Food contact

Applications

Packaging, Sports Equipment

Regional Availability

Europe, Near East/Africa