

**Moplen EP5015**

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	230	°C	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Yield stress	20	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	1100	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Yield	22.6	MPa	ASTM D 638
Elongation at Yield	8	%	ASTM D 638
Flexural Modulus	1079	MPa	ASTM D 790
Izod Impact notched, 1/8 in	N	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	94.2	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	70	°C	ISO 75-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	90	°C	ASTM D 648
Vicat Temperature	130	°C	ASTM D 1525

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

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Features**

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

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Sports Equipment

**Regional Availability**

Asia Pacific, Near East/Africa