

**Moplen EP547U**

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	70	g/10min	ISO 1133
Temperature	230	°C	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	70	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	1500	MPa	ISO 527
Charpy impact strength, +23°C	84	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Yield	24	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Flexural Modulus	1570	MPa	ASTM D 790
Izod Impact notched, 1/8 in	75.9	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	47.1	J/m	ASTM D 256
Temperature	-20	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
<b>Other properties</b>			
Density	900	kg/m <sup>3</sup>	ISO 1183
Density	900	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Compression Molding

**Special Characteristics**

Anti-static

**Features**

Low Odor, Low Warpage, Nucleated, Copolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Automotive, Packaging, Sports Equipment

**Regional Availability**

Asia Pacific, Near East/Africa