

Moplen EP500M

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	230	°C	-
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	1450	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	4	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	24.5	MPa	ASTM D 638
Elongation at Yield	5.5	%	ASTM D 638
Flexural Modulus	1472	MPa	ASTM D 790
Rockwell Hardness	R 80	-	ASTM D 785
Izod Impact notched, 1/8 in	141	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	47.1	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	76	°C	ISO 75-1/-2
Other properties			
Value			
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Features

Low Warpage, Copolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Electrical and Electronical, Packaging

Regional Availability

Asia Pacific, Near East/Africa