

Moplen HP450J

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3.25	g/10min	ISO 1133
Temperature	230	°C	-
ASTM Data			
Melt Flow Index, MFI	3.25	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield stress	32	MPa	ISO 527
Yield strain	11	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
ASTM Data			
Tensile Strength at Yield	36.3	MPa	ASTM D 638
Elongation at Yield	11	%	ASTM D 638
Flexural Modulus	1521	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	37.5	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	104	°C	ASTM D 648
Other properties			
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Features**

Homopolymer

Regional Availability

Asia Pacific, Near East/Africa