

Moplen RP5051

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	230	°C	-
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	780	MPa	ISO 178
Charpy impact strength, +23°C	115	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	24.5	MPa	ASTM D 638
Elongation at Yield	12	%	ASTM D 638
Flexural Modulus	785	MPa	ASTM D 790
Rockwell Hardness	R 85	-	ASTM D 785
Izod Impact notched, 1/8 in	47.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	90	°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**

Film Extrusion

Additives

Antiblocking agent

Special Characteristics

Transparent

Features

Weldable, Random Copolymer

Applications

Packaging

Regional Availability

Asia Pacific, Near East/Africa