

Moplen RP5007

PP

PolyMirae

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	75	g/10min	ISO 1133
Temperature	230	°C	-
ASTM Data			
Melt Flow Index, MFI	75	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Yield stress	30	MPa	ISO 527
Yield strain	12	%	ISO 527
Charpy impact strength, +23°C	N	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	28.5	MPa	ASTM D 638
Elongation at Yield	10	%	ASTM D 638
Flexural Modulus	1177	MPa	ASTM D 790
Rockwell Hardness	R 93	-	ASTM D 785
Izod Impact notched, 1/8 in	42.3	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	19.2	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	80	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	91	°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**

Injection Molding

Special Characteristics

Anti-static, Transparent

Features

Nucleated, Random Copolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Packaging

Regional Availability

Asia Pacific, Near East/Africa