

Moplen EP649N

PP

PolyMirae

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	32	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	1750	MPa	ISO 178
Charpy impact strength, +23°C	135	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	31.4	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Flexural Modulus	1815	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	94.2	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	37.5	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	130	°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**Special Characteristics**

Anti-static

Features

Copolymer

Certifications

Food contact, Food approval FDA 21 CFR

Applications

Refrigeration

Regional Availability

Asia Pacific, Near East/Africa