

**Moplen HP648H**

PP

PolyMirae

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>2.2</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>2.2</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>1800</b>	MPa	ISO 527
Yield stress	<b>34</b>	MPa	ISO 527
Yield strain	<b>10</b>	%	ISO 527
Flexural modulus, 23°C	<b>1670</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>127</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>3.8</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>36.3</b>	MPa	ASTM D 638
Elongation at Yield	<b>8</b>	%	ASTM D 638
Flexural Modulus	<b>1717</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>37.5</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>130</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>900</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>900</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Compression Molding

**Certifications**

Food contact, Food approval FDA 21 CFR

**Features**

Nucleated, Homopolymer

**Regional Availability**

Asia Pacific, Near East/Africa