

**POLYform POM C M270 UV**

POM

Polykemi AB

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>27</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>1.9</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>1.9</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>60</b>	MPa	ISO 527
Yield strain	<b>10</b>	%	ISO 527
Flexural modulus, 23°C	<b>2700</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>N</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Shore A Hardness	<b>97</b>	-	ASTM D 2240
Shore D Hardness	<b>78</b>	-	ASTM D 2240
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>106</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>152</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Glow Wire Ignition Temperature (GWIT)	<b>550</b>	°C	IEC 60695-2-13
GWIT - thickness tested (1)	<b>3.2</b>	mm	-
<b>Other properties</b>			
Density	<b>1410</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Features**

Copolymer

**Delivery form**

Granules

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

U.V. stabilized or stable to weather