

**FORMOCON® FM025**

POM

Formosa Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>2.5</b>	g/10min	ASTM D 1238
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>60</b>	MPa	ASTM D 638
Elongation at Break	<b>75</b>	%	ASTM D 638
Flexural Modulus	<b>2550</b>	MPa	ASTM D 790
Flexural Strength	<b>93</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M78</b>	-	ASTM D 785
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>84.5</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>158</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>110</b>	°C	ASTM D 648
Melting Temperature	<b>165</b>	°C	ASTM D 3418
Vicat Temperature	<b>162</b>	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.8</b>	-	IEC 62631-2-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>24</b>	kV/mm	ASTM D 149
Surface Resistivity	<b>&gt;1E15</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E14</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>1410</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Sheet Extrusion, Other Extrusion

**Regional Availability**

Asia Pacific