

**KEPITAL® TE-24 (FU2020)**

POM

Korea Engineering Plastics Co. Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>6</b>	g/10min	ISO 1133
Molding shrinkage, parallel	<b>1.7</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>41</b>	MPa	ISO 527
Yield strain	<b>13</b>	%	ISO 527
Strain at break	<b>&gt;50</b>	%	ISO 527
Flexural modulus, 23°C	<b>1450</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>18</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>165</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>71</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>130</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2
Electric strength	<b>21</b>	kV/mm	IEC 60243-1
<b>Other properties</b>			
Humidity absorption	<b>0.24</b>	%	Sim. to ISO 62
Density	<b>1350</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 100</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Mold temperature	<b>60 - 80</b>	°C	-
Feed temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>170 - 180</b>	°C	-
Zone 2	<b>180 - 190</b>	°C	-
Zone 3	<b>190 - 200</b>	°C	-
Nozzle temperature	<b>180 - 210</b>	°C	-
Back pressure	<b>2</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

High impact or impact modified