

**EMERGE™ PC 8702-15 (AP)**

PC-GX20

Trinseo

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>15</b>	g/10min	ASTM D 1238
Temperature	<b>300</b>	°C	-
Load	<b>1.2</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>3999</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>100</b>	MPa	ASTM D 638
Elongation at Break	<b>4</b>	%	ASTM D 638
Izod Impact notched, 1/8 in	<b>112</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>145</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>140</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>175</b>	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>27.2</b>	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	<b>3.1</b>	-	ASTM D 150
Surface Resistivity	<b>3E14</b>	Ohm	ASTM D 257
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>1330</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>121</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>288 - 316</b>	°C	-
Mold temperature	<b>79.4 - 116</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Release agent

**Special Characteristics**

Flame retardant, Phosphorus-free

**Applications**

IT / Business Machine, Electrical and Electronical

**Regional Availability**

Asia Pacific