

**EMERGE™ PC/ABS 7580**

(PC+ABS)

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>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>65</b>	MPa	ASTM D 638
Elongation at Break	<b>95</b>	%	ASTM D 638
Flexural Modulus	<b>2758</b>	MPa	ASTM D 790
Flexural Strength	<b>97.9</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>747</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>105</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>96.1</b>	°C	ASTM D 648
Vicat Temperature	<b>116</b>	°C	ASTM D 1525
<b>Other properties</b>			
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Mold temperature	<b>60 - 90</b>	°C	-
Zone 1	<b>220 - 250</b>	°C	-
Zone 2	<b>235 - 260</b>	°C	-
Zone 3	<b>240 - 270</b>	°C	-
Nozzle temperature	<b>240 - 270</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine, Electrical and Electronical

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Regional Availability**

Asia Pacific