

**Edgetek™ CY-1000 UV FR V0**  
(PC+ABS)

Avient Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.005</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>2140</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>58.6</b>	MPa	ASTM D 638
Elongation at Break	<b>10</b>	%	ASTM D 638
Flexural Modulus	<b>2620</b>	MPa	ASTM D 790
Flexural Strength	<b>96.5</b>	MPa	ASTM D 790
Izod Impact notched, 1/4 in	<b>110</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>65.6</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>1E14</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E15</b>	Ohm*cm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.1</b>	%	ASTM D 570
Density	<b>1210</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, U.V. stabilized or stable to weather

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa