

**ColorRx® FRPCT1100RX**

(PC+Polyester)

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Temperature	<b>260</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.0085</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>58.6</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>55.2</b>	MPa	ASTM D 638
Elongation at Yield	<b>4</b>	%	ASTM D 638
Elongation at Break	<b>80</b>	%	ASTM D 638
Flexural Modulus	<b>2482</b>	MPa	ASTM D 790
Flexural Strength	<b>96.5</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R122</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>694</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.52</b>	mm	-
DTUL @ 264 psi	<b>82.2</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.1</b>	%	ASTM D 570
Density	<b>1270</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Flame retardant

**Regional Availability**

North America

**Applications**

Medical