

**Trilliant™ HC HC7300-0013 ESD Black**

ABS-CF13

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.00125</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.005</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>7720</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>78.6</b>	MPa	ASTM D 638
Elongation at Break	<b>1.5</b>	%	ASTM D 638
Flexural Modulus	<b>8620</b>	MPa	ASTM D 790
Flexural Strength	<b>123</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>43</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
DTUL @ 66 psi	<b>102</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>97</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	<b>100000</b>	Ohm	ASTM D 257
Volume Resistivity	<b>100000</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	<b>1110</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	<b>227 - 238</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Increased electrical conductivity, Anti-static

**Applications**

IT / Business Machine, Electrical and Electronical, Encapsulation, Medical

**Regional Availability**

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