



# Pyramid™ II220

Polyetherimide, Electro-Static Dissipative

<b>General</b>	<b>ASTM No.</b>	<b>US Value</b>	<b>SI Unit</b>
<b>Density, lb/in<sup>3</sup></b>	D792	0.0473	1.31 g/ml
<b>Water Absorption (24hr. @ 23 °C, %)</b>	D570	0.24%	0.24%
<b>Flammability @ 1/8"</b>	D3801	V-0	V-0
<b>Mechanical</b>			
<b>Tensile Strength Kpsi</b>	D638	16	110.3 MPa
<b>Tensile Elongation (Yield), %</b>	D638	7%	7%
<b>Tensile Elongation (Break), %</b>	D638	60%	60%
<b>Tensile Modulus, Mpsi</b>	D638	0.5	3.4 GPa
<b>Flexural Strength (yield) Kpsi</b>	D790	24	103.4 MPa
<b>Flexural Modulus, Mpsi</b>	D790	0.5	3.4 GPa
<b>Izod, Notched, ft-lb/in @ 1/8"</b>	D256	1	53 J/m
<b>Hardness, Rockwell M Scale</b>	D785/D2240	109	--
<b>Thermal</b>			
<b>CLTE, linear <math>\mu\text{in/in} - ^\circ\text{F} (&lt;T_g)</math></b>	D696	$3 \times 10^{-5}$	$5.0 \times 10^{-5} \text{ m/m} \cdot ^\circ\text{C}$
<b>HDT@ 264 psi, °F</b>	D648	394	201 °C
<b>Electrical</b>			
<b>Surface Resistivity @ 10 volts</b>	EOS/ESD S11.11	$10^6\text{-}10^9 \text{ ohm}\cdot\text{sq}$	
<b>Surface Resistivity @ 100 volts</b>	EOS/ESD S11.11	$10^6\text{-}10^8 \text{ ohm}\cdot\text{sq}$	
<b>Volume Resistivity @ 10 volts</b>	EOS/ESD S11.12	$10^6\text{-}10^9 \text{ ohm}\cdot\text{sq}$	
<b>Volume Resistivity @ 100 volts</b>	EOS/ESD S11.12	$10^6\text{-}10^8 \text{ ohm}\cdot\text{sq}$	
<b>Static Decay</b>	FTMS- 101C Method 4046	0.002	

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