



Typical Properties of

Duratron® D7015G

Polyimide with 15% Graphite Filler

Process: Compression Molded

Property	Test Method	Unit	Value
Specific Gravity	D792	--	1.45
Tensile Strength	D638	psi	11,000
Tensile Modulus	D638	psi	650,000
Elongation	D638	%	3
Flexural Strength	D790	psi	16,500
Flexural Modulus	D790	psi	640,000
Compressive Strength	D695	psi	25,000
Compressive Modulus	D695	psi	360,000
Hardness, Rockwell	D785	--	R126
Hardness Durometer	--	--	N / A
Izod Impact (notched)	D256	ft. lb of notch	0.8
Coeff. of Friction (Dynamic)	--	dry v.s steel	0.25
Coeff. of Linear Therm. Expan.	E831/ D696	in./in./°F	2.25×10^{-5}
Continuous Use Temperature	--	°F	500
Heat Deflection Temperature	D648	°F	690
Glass Transition Temperature	D3418	°F	700
Melting Point	D3418	°F	N / A
Thermal Conductivity	E1530-11	BTU in/hr ft ² °F	2.7
Dielectric Strength	D149	Volts/mil	186
Surface Resistivity	EOS/ESD 511.11	ohm/square	>10 ⁴
Flammability	UL94	--	V-0
Water Absorption, 24 hrs.	D570	% by weight	0.5
Water Absorption, Saturation	D570	% by weight	3
Limiting PV (4:1 Safety Factor)	--	--	40,000
K-Factor	--	--	10
FDA Compliance	--	--	No

Note: The data provided is for reference purposes only. Additional testing may be required for design specifications or quality control.
All values at 73 F unless otherwise stated.