

# DURAFIDE® 2130A1

## Polyplastics - Polyphenylene Sulfide

### General Information

#### Product Description

Special

Conductive, Low Wear

#### General

Filler / Reinforcement	• Carbon Fiber, 30% Filler by Weight
Features	• Conductive • Wear Resistant
UL File Number	• E109088
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PPS-CF30<

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	32600	psi	ISO 527-2
Tensile Strain (Break)	1.3	%	ISO 527-2
Flexural Modulus	3.65E+6	psi	ISO 178
Flexural Stress	47900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.6	ft·lb/in <sup>2</sup>	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	509	°F	ISO 75-2/A
CLTE - Flow	5.6E-6	in/in/°F	Internal Method
CLTE - Transverse	2.2E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+13	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (590°F, 1000 sec <sup>-1</sup> )	400000	mPa·s	ISO 11443
Additional Information	Nominal Value	Unit	
Color Number	HD9000		