

# DURAFIDE® 1140HS6

## Polyplastics - Polyphenylene Sulfide

### General Information

#### Product Description

GF Reinforced

High Strength, Heat Shock Resistant

#### General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight	
Features	• High Strength	• Thermal Shock Resistant
Forms	• Pellets	
Part Marking Code (ISO 11469)	• >PPS-GF40<	

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

Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	29000	psi	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	2.13E+6	psi	ISO 178
Flexural Stress	40600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	527	°F	ISO 75-2/A
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (590°F, 1000 sec <sup>-1</sup> )	220000	mPa·s	ISO 11443
Additional Information	Nominal Value	Unit	
Color Number	HD9100		