

DURAFIDE® 1140HS6

Polyplastics - Polyphenylene Sulfide

General Information

Product Description

GF Reinforced

High Strength, Heat Shock Resistant

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• High Strength • Thermal Shock Resistant
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PPS-GF40<

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.66	g/cm ³	ISO 1183
Mechanical			
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			
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in ²	ISO 179/1eA
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	527	°F	ISO 75-2/A
Fill Analysis			
Melt Viscosity (590°F, 1000 sec ⁻¹)	220000	mPa·s	ISO 11443
Additional Information			
Color Number	HD9100		

Notes

¹ Typical properties: these are not to be construed as specifications.
