

# Xencor™ PPS LGF-3045 NT-9

## polyphenylene sulfide

Xencor™ PPS LGF-3045 NT-9 is a 45% long-glass fiber reinforced polyphenylene sulfide compound.

### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Filler / Reinforcement	• Long Glass Fiber, 45% Filler by Weight	
RoHS Compliance	• RoHS Compliant	
Processing Method	• Compression Molding	• Overmolding
	• Injection Molding	

Physical	Typical Value	Unit	Test method
Density	1.67	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow	0.10	%	Internal Method
Water Absorption (24 hr, 23°C)	0.050	%	ISO 62

Mechanical	Typical Value	Unit	Test method
Tensile Modulus (23°C)	16000	MPa	ISO 527-1
Tensile Stress (Break, 23°C)	195	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2

Injection	Typical Value	Unit
Drying Temperature	120	°C
Drying Time	1.0 to 2.0	hr
Rear Temperature	310 to 320	°C
Middle Temperature	315 to 330	°C
Front Temperature	325 to 335	°C
Nozzle Temperature	320 to 335	°C
Processing (Melt) Temp	340	°C
Mold Temperature	150	°C

### Notes

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

