

# TECACOMP® PPS PVX black 9738

Polyphenylene Sulfide  
Ensinger GmbH

Message:

TECACOMP® PPS PVX black 9738 is a polyphenylene sulfide (PPS) product, which contains ptfe fiber, graphite fiber reinforcement and carbon fiber reinforcement. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	PTFE fiber		
	Graphite fiber reinforced material		
	Carbon fiber reinforced material		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	
Density	1.47	g/cm³	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12700	MPa	ISO 527-2/50
Tensile Stress	130	MPa	ISO 527-2/50
Tensile Strain (Break)	1.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	90.0	°C	DIN 53765
Melting Temperature	280	°C	DIN 53765
CLTE - Flow (23 to 60°C)	1.5E-5	cm/cm/°C	ISO 11359-2
Service Temperature			
long term	230	°C	
short term	260	°C	
Injection	Nominal Value	Unit	
Drying Temperature	140 - 150	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	300 - 370	°C	
Mold Temperature	140 - 200	°C	

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