Wednesday, May 13, 2026

Plaslube® PEEK CF10 TL10 GL10 A

Techmer Polymer Modifiers - *Polyetheretherketone*

Units SI

Action **Legend (Open)**

General Information

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Carbon Fiber, 10% Filler by Weight	• Glass Fiber, 10% Filler by Weight	• Talc, 10% Filler by Weight
Additive	• Lubricant		
Features	• Lubricated		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 to 1.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	11700	MPa	ASTM D638
Tensile Strength (Yield)	131	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	64	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	149	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	354 to 377	°C
Middle Temperature	360 to 382	°C
Front Temperature	366 to 388	°C
Nozzle Temperature	368 to 393	°C
Processing (Melt) Temp	366 to 399	°C
Mold Temperature	121 to 204	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	Moderate	

Notes

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

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