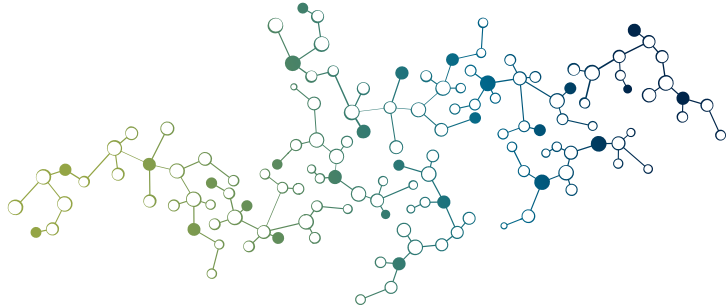




InLube® PEEKTF10HF

PRODUCT DESCRIPTION 10% PTFE LUBRICATED HIGH FLOW PEEK

MATERIAL STATUS Commercial: Active

AVAILABILITY Africa & Middle East, Asia Pacific, Europe, Latin America, North America

ADDITIVE PTFE Lubricant: 10%

FEATURES Chemical Resistant, Good Mold Release, High Flow, Low Friction, Lubricated, Wear Resistant

USES Aerospace Applications, Connectors, Electrical/Electronic Applications, Engineering Parts, Industrial Applications, Industrial Parts, Metal Replacement, Military/Defense Applications, Oil/Gas Applications, Outdoor Applications, Semiconductor Applications

FORMS Pellets

PROCESSING METHOD Injection Molding

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow	0.016 to 0.019	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570

MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Modulus	550000	psi	ASTM D638
Tensile Strength	13400	psi	ASTM D638
Tensile Elongation (Yield)	5.0 to 7.0	%	ASTM D638
Flexural Modulus	521000	psi	ASTM D790
Flexural Strength	19500	psi	ASTM D790

IMPACT	NOMINAL VALUE	UNIT	TEST METHOD
Notched Izod Impact (0.125 in)	2.0	ft-lb/in	ASTM D256

THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Deflection Temperature Under Load 264 psi, Unannealed	315	°F	ASTM D648

INJECTION	NOMINAL VALUE	UNIT
Drying Temperature	300	°F
Drying Time	4.0	hr
Processing (Melt) Temp	660 to 740	°F
Mold Temperature	350 to 400	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm
Vent Depth	1.5E-3 to 3.0E-3	in