

H10X™ PTFE Lead Screw Dry Lubricant

Dry Lubricant for Lead Screws

Helix H10X™ PTFE is a fluoropolymer-based coating and is combined with appropriate resins specially formulated to provide a tough, durable film for dry lubrication. H10X™ PTFE offers excellent abrasion and salt-spray resistance. The film components stratify during the curing process and most of the fluoropolymer properties (such as low-coefficient of friction and non-stick character) are retained.

H10X™ PTFE is an excellent lubricant for medical, semiconductor, electronic, high precision, and clean applications. Our H10X™ PTFE coating increases the efficiency of lead screw assemblies and can be applied to all Helix lead screws.

H10X PTFE™ Specifications

Thickness:	0.4 - 0.8 MIL
Color:	Black
Tensile Strength <small>ASTM D1708:</small>	3000-12000 PSI
Hardness <small>ASTM D2240:</small>	60 HB (Shore D)
Abrasion Resistance <small>ASTM D4060:</small>	Excellent
Adhesion <small>ASTM D4145:</small>	OK (A)
Coefficient of Friction <small>ASTM D1894:</small>	0.15 static
Chemical Resistance <small>ASTM D543:</small>	Excellent
Salt Spray Resistance <small>ASTM B117-73:</small>	>168hr at 5% solution, 35 C (95° F)
Dielectric Strength <small>ASTM D149:</small>	100 volts per mil
Use Temperature:	260 C (500° F) max

