

INDUSTRIAL FLUOROCARBONS

Coating System	Outstanding Properties	Continuous Operating Temperature	Thickness Range Per Surface	Approximate Build-Up Per Coat	Curing Temperature	F.D.A. Approvability
Teflon [®] T.F.E Teflon [®] P.T.F.E	Excellent Hi-Temp resistance Good Release	500° F	0.8 - 5.0 mil	0.4 mil *	700° - 725° F	Yes
P.C. 8-403	Best combination of release and wear	350° F	1.0 - 1.5 mil	0.5 mil *	700° - 720° F	Yes
Teflon [®] S & F.E.P.	Excellent release Good abrasion resistance Good chemical resistance	350° F	0.4 - 2.0 mil	0.4 mil *	700° - 720° F	Yes
Teflon [®] F.E.P.	Excellent chemical resistance Good release	350° F	0.8 - 4.0 mil	0.4 mil *	700° - 720° F	Yes
P.F.A. [®]	Excellent chemical resistance Excellent release Good abrasion resistance	500° F	1.0 - 5.0 mil	0.6 mil *	720° - 750° F	Yes
Ceramic Filled P.F.A. [®]	Excellent abrasion resistance Excellent release Good chemical resistance	500° F	1.0 - 5.0 mil	0.6 mil *	730° - 750° F	Yes
Teflon S [®]	Excellent abrasion resistance Excellent low friction	300° - 425° F	0.5 - 3.0 mil	0.5 mil *	450° - 600° F	Yes
Ceramic Filled T.F.E.	Excellent Hi-Temp resistance Good abrasion resistance Good release	550° F	0.7 - 2.0 mil	0.5 mil *	730° - 750° F	Yes
Xylan [®]	Widest color range Wide cure range Good low friction	500° F	0.1 - 0.7 mil	0.1 - 0.3 mil *	250° - 700° F	Yes
TFE Black Conductive	Hi-temperature resistance Drain static charge	500° F	0.2 - 1.5 mil	0.2 - 0.5 mil *	450° - 600° F	No

* Mil = .001 inch

PHENOLIC – EPOXIES & DRY FILM LUBRICANTS

Coating System		Outstanding Properties	Continuous Operating Temperature	Thickness Range Per Surface	Approximate Build-Up Per Coat	Curing Temperature	F.D.A. Approvability
Phenolic - Epoxies	PC-BUFF	Excellent dielectric Good abrasion resistance Good corrosion resistance	200° F	2.0 - 5.0 mil	1.0 mil**	190° - 210° F	No
	PC-48T	Good corrosion resistance Good flexibility Flat black in color	350° F	0.5 - 1.5 mil	0.5 mil**	350° - 375° F	No
	PC-343	Excellent corrosion resistance Excellent abrasion resistance Excellent dielectric strength Good thermal conductivity	250° F	1.0 - 6.0 mil	1.0 mil**	250° - 300° F	Yes
Dry Film Lubricants	Electrofilm®	Excellent lubricant * Molybdenum Disulfide Base	500 - 1000° F	0.2 - 0.7 mil	0.3 mil**	400° F	No
	Everlube®	Excellent lubricant * Molybdenum Disulfide Base	500 - 1000° F	0.2 - 0.7 mil	0.3 mil**	400° F	No
	Molykote®	Excellent lubricant * Molybdenum Disulfide Base	400 - 600° F	0.3 - 0.7 mil	0.3 mil**	Ambient to 300° F	No
	Teflon®	Excellent lubricant * Teflon® Base	300 - 500° F	0.5 - 1.0 mil	0.5 mil**	450 - 700° F	No

* Meets certain military specification

** Mil = .001 inch