

APPLICATOR OF FUNCTIONAL COATINGS SINCE 1963



ORION INDUSTRIES, LTD.  
REGISTERED TO ISO 9001:2000  
FILE NUMBER A16230

FLUOROPOLYMER						HIGH PERFORMANCE POWDERS				Functional Coating Characteristics*	DRY FILM COATINGS			SPECIALTY COATINGS		COATINGS FOR RUBBER, PLASTIC AND GLASS				
PTFE	FEP	PFA	XYLAN®	TEFLON-S®	EMRALON	ETFE	ECTFE	NYLON	PPS		MOLY DISULFIDE	ULTRA-HIGH TEMP	TUNGSTEN DISULFIDE	STAINLESS ARC SPRAY	DB NANO COMPOSITES	PEEK / PEK	PLASTIGLIDE	FLUORGLASS	FLUOROBOND	LSR TOPCOAT
.0002"-.010"	.0005"-.005"	.001"-.025"	.0002"-.005"	.0003"-.005"	.0003"-.003"	.003"-.030"	.005"-.060"	.002"-.020"	.0006"-.003"	Applied Thickness Range	.0002"-.0007"	.0005"-.003"	.00002"-.0002"	.0015"-.004"	.001"-.005"	.0006"-.004"	.0005"-.0015"	.001"-.006"	.0002"-.0006"	.0005"-.001"
.02-.1	.05-.06	.09	.03-.1	.08-.11	.03-.12	.20	.4-.5	.10-.30	.05-.3	Coefficient of Friction	.07-.12	.1-.2	.03	.05-.2	.02-1.0	.025-.4	.03-.1	.09-.12	.003-.1	.31
Best	Best	Best	Best	Best	Good	Fair	Good	Good	Best	Non-Stick Performance	N/A	N/A	N/A	Good	Best	Best	Good	Best	Good	Best
Medium	Medium	Medium	Medium-high	Medium-high	Medium-high	High	High	High	Very high	Abrasion Resistance	Good	N/A	Good	Very high	High	Medium-high	Medium	Medium-high	Low	Low
Low	Low	Medium	Medium-high	Medium-high	Medium-high	Medium	Medium	Medium	High	Relative Load Carrying-PSI	Very high	High	Very high	High	High	High	Low	Medium	Low	Low
Low	Medium	High	Medium-high	Medium-high	Medium-high	Very high	Very high	High	High	Chemical Resistance	Low	Low	Low	Low	Medium	High	Low	Medium	Low	Low
Medium	High	Very high	Medium-high	Medium-high	Medium-high	Very high	Very high	High	Very high	Corrosion Resistance	Low-Medium	Low-Medium	Low	Medium	High	High	Low	Medium	Low	Low
500	1100-1700	2000	1000-2000	1000-2000	1000-2000	4000	2000	1100-1700	500-2000	Dielectric Strength (VPM)	N/A	N/A	N/A	N/A	500-1000	500-2000	N/A	N/A	N/A	N/A
available	available	yes	available	available	no	available	available	available	available	Food Contact	N/A	N/A	available	available	available	available	available	available	available	Yes
-420 to 500	-400 to 400	-400 to 500	-50 to 500	-50 to 500	-50 to 500	-150 to 300	-80 to 330	-55 to 280	-40 to 400	Use Temp. F	-40 to 650	-200 to 1200	-100 to 1000	-50 to 500	-50 to 500	-50 to 650	-100 to 350	-400 to 500	-50 to 350	-50 to 400
700 to 810	600 to 650	700	300 to 810	300 to 800	300 to 800	450	450	400	700	Coating Cure Temp. F	70 to 700	700	70	700 to 810	300 to 750	700 to 850	300	650 to 700	200 to 300	200 to 300

\* These values are based on manufacturer supplied data. Customer is responsible for end use testing & suitability.

**Applying more than 500 problem-solving coatings.**