

LUBODRY PRODUCTIONS has over 20 years of experience in developing and impinging cutting-edge anti-friction and anti-adhesive processes. LUBODRY PRODUCTIONS is the leading European source for impinged dry lubricant coatings. Research & development is our passion and our dedicated team assists industry leaders in identifying, thus validating, the ultimate lubricant solution. Doing so, we ensure

that your cost, performance and lifetime objectives are met. The selection criteria between the LUBODRY® G (GRAPHITE), LUBODRY® M (MOS2) & LUBODRY® W (WS2) coatings essentially depend on the functional temperature and chemical compatibility of your operating environment. Notwithstanding, each of our impinged dry lubricant coatings has its own physical and functional properties, as per described in the comparative chart below:

COMPOSITION APPEARANCE / COLOUR	Graphite (C) Gray / dark gray	Molybdenum Disulfide (MOS2) Silver / gray / blue-gray	Tungsten Disulfide (WS2) Silver / gray / polished rhodium
	All kinds of metals, platings, plastics and man-made materials		
	No modification on surface and structure		
	2 090 - 2 230 kg/m3	5 060 kg/m3	7 500 kg/m3
	0,0001"	0,0001"	0,00002"
MOLECULAR WEIGHT	12,0107 g/mol	160,07 g/mol	247,97 g/mol
	Stable under radiation Low Very low		
	Physicochemical binding by molecular adsorption, without any flaking, peeling or delamination. Marginal migration of the surface treatment, which could easily be removed on demand		Physicochemical binding by molecular adsorption, without any flaking, peeling or delaminating. No migration of the surface treatment
	High pressure projection using a tailor made suction nozzle with pressurized made suction nozzle with pressurized a air (101,6 psi to 203,19 psi). May also be applied into deep bores with a ratio of 1 to 7 with the diameter High pressure projection using a tailor made suction nozzle with pressurized a made suction nozzle with pressurized and suction nozzle with pressurized and suction nozzle with pressurized and suction nozzle with pressurized made suction nozzle with pressurized and suction nozzle with pressurized made suction nozzle with pressurized and suction nozzle with pressurized made suction nozzle with pressurized and suction nozzle with pressurized made suction nozzle with pressurized		
	Application at ambiente temperature and polymerization at ambiente temperature during 7 days, or: 3 hours at 90°C or 1.5 hour at 140°C		Application at 20-35°C, no need for heat treatment.
	From -250°C to +1100°C	From -200°C to +400°C	From -200°C to +600°C
	From -250°C to +1500°C	From -200°C to +800°C	From -200°C to +800°C
	Same as the substrate, up to 2,750 Mpa	Same as the substrate, up to 1,720 Mpa	Same as the substrate, up to 2,750 Mpa
	Good : Same electrical properties as	ed for its anti-adhesive properties (exar	Good: Same electrical properties as semi-
	semi-conductors	Acceptable	conductors
	Schii conductors	Non-magnetic	conductors
		<u> </u>	
- In motion :	0,02 -0,07	0,02 - 0,07	0,03 max.
- Vacuum :	Low	Low	Low
	- With additional treatment : Excellent corrosion resistance - Without treatment : Minor delay of corrosion, superior to bare substrate		
	Excellent chemical stability: inert substance, non-corrosive, insoluble in water, compatible with oils, alcohols and most fuels and solvents		
		rueis and solvents	
10-9 Torr : LUBODRY® G & LUBODRY® M	Good - no degassing		Very low outgassing
10-14 Torr : LUBODRY® W			
	No use restriction		
	Compatible with most oils, fuels, solvents, alcohols, paints and coatings		Compatible with most oils, fuels, solvents, alcohols, paints and coatings. Not compatible with acid (pH<6) and alkalin
			solutions (pH>8) Yes
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