

FluoroCeramic CERFLON® Data

This report presents the tribological results for CER-150SNE (carrier is 150SN base oil and a synthetic ester) in comparison with previous tests conducted with graphite, MoS₂, PTFE, Boron Nitride and Cerflon® in a 150SN base oil. The tests were conducted at the InS Tribology Laboratory in Genay, France.

Solid Lubricant Type	Falex Wear (teeth)	Falex Extreme Pressure (lbs)	Falex Coefficient of Friction (Calculated)	Four Ball Extreme Pressure Weld (kg)	Four Ball Wear Scar, mm LWI 40 kg
Diluted to 1% Solids in 150SN base oil	ASTM D-2670	ASTM D-3233	Falex Method	ASTM D-2783	ASTM D-4172
150SN base oil	Failed Break-in	750	0.159	126	1.06
Graphite Carrier is 150SN base oil	78	1250	0.123	160	0.855
Molybdenum Disulfide Carrier is 150SN base oil	88	4375	0.114	250	0.805
PTFE Carrier is 150SN base oil	10	4250	0.094	200	0.89
Boron Nitride Carrier is 150SN base oil	9	4500	0.105	200	0.76
Cerflon® CER-150SN CRT - USA	6	4500	0.092	400	0.74
80:20 PTFE/BN Carrier is 150SN base oil					
Cerflon® & ester CER-150SNE CRT - France	5	4500	0.065	250	0.72
80:20 PTFE/BN Carrier is 48.45% 150SN 20% ester					