



Innovation and Experience at Work

IsoTech ES1120N

IsoTech ES1120N is fully synthetic powdered metal impregnating oil fortified with additives to improve the lubrication of sintered metal parts at both low and elevated temperatures. This oil contains additives to reduce friction and wear under non-elastohydrodynamic conditions. It is formulated with an effective rust preventative. It has a low pour point, high flash point, and high viscosity index with low volatility.

CHARACTERISTICS		TYPICAL VALUE *
Type		Synthetic Ester
Color		Light Amber
Temperature Service Range (°C)		-40 to 150
Evaporation (CTM-1)	24h at 100°C	1% max.
Four Ball Wear (ASTM D2266)	60min 1200rpm 40kg, 75°C	0.78mm
	Dynamic Coefficient of Friction (steel on steel)	0.121
Specific Gravity at 25°C		1.0
Neutralization Number (ASTM D664), mg KOH/g		<2
Copper Strip Corrosion (ASTM D130)		1a
Refractive Index at 25°C (ASTM D1218)		1.4600

*The typical values reported on this data sheet should not be used for writing specifications or creating drawings. Please consult ECL for assistance in preparing a specification for this product. Refer to our product Material Safety Data Sheet for detailed safety information.