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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

PFPE/PTFE BASED LUBRICATING GREASE

SumTech® PFPE-420

SumTech® PFPE-420 is a perfluorinated polyether (PFPE) based lubricating grease created for use in severe operating conditions caused by high temperature or aggressive chemical environments. This long-life lubricant has excellent rust inhibiting, corrosion protection and solvent washout resistant properties.

SumTech® PFPE-420 is ideal for use in bearings, conveyors and pumps subject to aggressive chemicals or heat. It is recommended for drying ovens, shrink wrap tunnels, oven chains and other high temperature applications found in food manufacturing. SumTech® PFPE-420 is generally regarded as neutral towards most elastomers and plastics (exception: perfluorinated rubber), however, we recommend testing compatibility with the material to be used prior to application.

Application Notes: For best results, we recommend thoroughly cleaning the friction points with white mineral spirits. The surfaces should then be blown with clean, dry compressed air or hot air to remove solvent residue. For initial lubrication, the friction points must be free from oil, grease, perspiration and contamination. SumTech® PFPE-420 can be applied with a brush, spatula or lubricant dispenser. Please contact your Summit Representative if you have questions regarding the application of this product.

Physical Properties

PRODUCT	PFPE-420
NLGI Grade	2
Color	White
Texture	Homogeneous
Base Oil	Perfluorinated Polyether (PFPE)
Viscosity	
@40°C, cSt	Approx. 420
@100°C, cSt	Approx. 39
Thickener Type	Polytetrafluoroethylene (PTFE)
Density at 20° C	approx. 1.9 g/cm ³
Lower Service Temperature	-30°C/-22°F
Upper Service Temperature	250°C/482°F
Worked Penetration	
DIN ISO 2137, 25°C, lower limit value	265 X 0.1 mm
DIN ISO 2137, 25°C, upper limit value	295 X 0.1 mm
Oil Separation	< 12% by weight
Evaporation Loss	< 3% by weight
NSF Registered	H1

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.