



MATERIAL REPORT

REPORT NUMBER: Ref PSG 5025

TITLE: Evaluation of NSF 61 listed, global compound E1571-70.
PURPOSE: General Data
CONCLUSION: E1571-70 is an acceptable seal material for drinking water system sealing applications.

Recommended temperature limits: -70°F to 250 °F

Recommended For

Hot water and steam
Glycol based brake fluid
Many organic and inorganic acids
Cleaning agents, soda and potassium alkalis
Phosphate –ester based hydraulic fluids
Silicone oil and grease
Polar solvents
Ozone, Aging and weather resistance

Not Recommended For

Mineral oil products



Report Data

Report Number: ref PSG 5025

Original Physical Properties, ASTM D412

Hardness, Shore A, pts
Tensile Strength, psi
Elongation, %, min
100% Modulus, psi

**E1571-70
Platen
Results**
70
1450
125
500

Compression Set (22 Hrs. @ 100°C), ASTM D395

Permanent Compression Set, %, max

16

Water Immersion (70 Hrs @ 100°C), ASTM D471

Volume Change, %

+0.1