



Royal Strand Guard

Post Tension Grease

Royal Strand Guard is an outstanding lithium 12 hydroxy post tension grease. This high-quality grease is manufactured with superior quality base oils and fortified with a synergistic combination of additives giving it an excellent rating with the Post Tension Institute (PTI)

Royal Strand Guard is a high-performance post tension grease exceeding the requirements of The Post Tension Institute. This grease acts as a barrier to provide excellent rust protection, capable of operations from 0 °F to 350 °F and works synergistically with the cable during its compression and tension stages.

Product Features:

- Excellent mechanical stability
- Good oxidation and corrosion protection
- Wide temperature operability (0 °F to + 350 °F)
- Superior water resistance

Customer Benefits:

- Provides excellent corrosion protection
- Doesn't leak out during storage
- Helps absorb the load during the compression and tension stages
- Allows for flexibility in the cable.
- Has a high dropping point to eliminate leaking or dripping at high temperatures
- Is compatible with the sheathing materials in post tension cables
- Offers excellent wide temperature properties

Applications:

Recommended for use in post tension cables.

Typical Properties

Royal Strand Guard

Product Number	9040NM0RM	Test Method
Color	Grey	Visual
Texture	Short Fiber	Visual
NLGI Grade	1.5	ASTM D 217
Worked Penetration	295-315	ASTM D 217
Type of thickener	Lithium	-
Drop Point ,0 F	360 Min.	ASTM D 2265
Viscosity @ 40 C, cSt	224	
Viscosity @ 100 C, cSt	17.4	
Viscosity @ 100 F, SUS	1194	ASTM D 445
Viscosity @ 210 F, SUS	89.9	
Soak test, 5% salt fog @ 100°F, 5 mils coating, Q panel type S, immerse panel 50% in a 5% salt solution and expose to salt fog	No emulsification of the coating after 720 hours	ASTM B 117
Corrosion Test, 5% salt fog @ 100°F, 50 mils coating, Q Panel, Type S	Grade 8 after 1,000 hours of exposure	ASTM B 117
COC Flash Point, °F, oil component	420	ASTM D 92
Distillation, Water Volume %	<0.1%	ASTM D 95
Chlorides, Parts per million	2.7	ASTM D 512
Tensile Strength Change of Polymer after Exposure to Grease, 40 days @ 150° F, percent change	6.75	ASTM D 638
Nitrates, parts per million	0.5	ASTM D 3867
Sulfides, parts per million	1.4	Alpha 4500-S ² E
Oil separation, % Wt.	0.3	FTM-321
Hardness and Volume Change of Polymer after Exposure of Grease, 40 Days @ 150°F, percent change	Hardness – 0 Volume – 5	ASTM D 4289

These properties are typical of the current production. Variations in color and appearance that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety: This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



15oz.
Cartridges



35 Lb. Pails



120 Lb. Kegs



400 Lb. Drums



2,000 Lb.
Disposable Totes



50,000 Lb. Bulk

