Supplier - ARKEMA

TPS 32

Dialkyl Penta-sulfide

Tertiaryalkyl Poly-Sulfides

Typical Properties

Appearance	Clear Yellow Fluid
Sulphur Content(Active),%wt	29 - 32 (23)
Color(ASTM D1544)	≤ 10
Flash Point(ASTM D93,Closed Cup),°C	> 121
Density@20°C	1.010
Viscosity@20°C,mPa.s	603
Viscosity@50°C,mPa.S	64
Pour Point,°C	≤ -20
Refraction Index	1.547
P_B / P_D[+]	82 / 315
Load wear index[+]	72
4 Ball Wear(IP239,40kg,1h),mm	1.07
Richart Test(300N Load),mm^2	9.7
4 Ball Wear(IP239,40kg,1h),mm	1.07
Reichert Test(300N Load),mm^2	9.7
Copper Corrosion(Pure Product)[++]	4c
Copper Corrosion(Dimercaptothiadiazole Added, %)[++]	1a - 1b (0.3)

[+] 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil
[++]Copper Corrosion, ASTM D130

Product Description

TPS 32 is an extreme-pressure additive for lubricants.

TPS 32 is an additive for straight and soluble cutting oils used with non copper alloys. Its tertiary dodecyl chain being extremely stable, **TPS 32** is the most efficient dialkyl pentasulfide.

TPS 32 has a high active sulphur content and corrodes copper. This corrosion is easily inhibited, but for lubricants used with copper alloys we recommend **TPS 20**.

TPS 32 is totally soluble in most hydrocarbonated solvents such as benzene, toluene, white spirit, fuels. It is fully compatible with mineral and vegetable oils. It is slightly soluble in light alcohols and is not soluble in water.

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