

Supplier - ARKEMA
TPS 20
Dialkyl Polysulfide
Tertiaryalkyl Poly-Sulfides

Typical Properties

Appearance	Clear Light Yellow Fluid
Sulfur Content(ASTM D4794),%wt	20 - 23
Color(ASTM D1544),Gardner	2
Copper Corrosion(ASTM D130)	≤ 1b
Flash Point(ASTM D93,Closed Cup),°C	≥ 121
Specific Gravity@20°C	0.950
Viscosity@20°C,mPa.s	208
Viscosity@40°C,mPa.s	53
Pour Point,°C	≤ -20
Refraction Index	1.514
Vapor Pressuse@20°C,hPa	0.03
P _B / P _D +	76 / 250
Load Wear Index	50
Four-Ball Wear (IP239,40kg,1h),mm	0.78
Reichert Test (300N Load),mm ²	4

[†] 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil

Product Description

TPS 20 is a pale yellow liquid. It has a very slight odor and does not contain any chlorinated impurity or unsaturated hydrocarbon.

TPS 20 is soluble in mineral oils and synthetic base oils and most common solvents. It is insoluble in water.

TPS 20 is an extreme pressure additive for lubricants. TPS 20 does not corrode copper. Its tertiary dodecyl chain being extremely stable, **TPS 20** is the most efficient dialkyl trisulfide.

TPS 20 is an additive for :

- Neat and soluble cutting oils used with copper and copper alloys;
- Cold rolling oils;
- Gear oils and EP Greases.

Print date: 19-01-26

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