

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 <sub>B</sub> / P <sub>D</sub> +	76 / 250
Load Wear Index	50
Four-Ball Wear (IP239,40kg,1h),mm	0.78
Reichert Test (300N Load),mm <sup>2</sup>	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.

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