Supplier -

TMP Complex Esters

Typical Properties

Color,ASTM D1544,Gardner/D1500 $\leq 8/2.5$ Viscosity@40°C,cSt $50 - 70$ Total Acid Value,mgKOH/g ≤ 8.0 Pour Point,°C(°F) $\leq 6 (42)$ Moisture Content,%wt ≤ 0.1 Flash Point C.O.C.,°C(°F) $\geq 200 (392)$ Fire Point C.O.C.,°C(°F) $\geq 275 (527)$	Appearance@25°C	Light-colored Liquid
Total Acid Value,mgKOH/g ≤ 8.0 Pour Point,°C(°F) ≤ 6 (42) Moisture Content,%wt ≤ 0.1 Flash Point C.O.C.,°C(°F) ≥ 200 (392) Fire Point C.O.C.,°C(°F) ≥ 275 (527)	Color,ASTM D1544,Gardner/D1500	≤ 8/2.5
Pour Point, $^{\circ}C(^{\circ}F)$ $\leq 6 (42)$ Moisture Content, $^{\circ}Wt$ ≤ 0.1 Flash Point C.O.C., $^{\circ}C(^{\circ}F)$ $\geq 200 (392)$ Fire Point C.O.C., $^{\circ}C(^{\circ}F)$ $\geq 275 (527)$	Viscosity@40°C,cSt	50 - 70
Moisture Content,%wt ≤ 0.1 Flash Point C.O.C.,°C(°F) $\geq 200 (392)$ Fire Point C.O.C.,°C(°F) $\geq 275 (527)$	Total Acid Value,mgKOH/g	≤ 8.0
Flash Point C.O.C., $^{\circ}$ C($^{\circ}$ F) \geq 200 (392) Fire Point C.O.C., $^{\circ}$ C($^{\circ}$ F) \geq 275 (527)	Pour Point, °C(°F)	≤ 6 (42)
Fire Point C.O.C., $^{\circ}$ C($^{\circ}$ F) $\geq 275 (527)$	Moisture Content,%wt	≤ 0.1
Constitution Number mak(O11/2	Flash Point C.O.C.,°C(°F)	≥ 200 (392)
Sanonification Number mgKOH/g	Fire Point C.O.C.,°C(°F)	≥ 275 (527)
Saporification Number, frigicority 185 - 210	Saponification Number,mgKOH/g	185 - 210

Product Description

AdtecTM 426 is high quality complex esters of trimethylolpropane (TMP) that offers excellent lubrication characteristics comparable to trimethylolpropane trioleate (TMPTO), but at a significantly lower cost. It exhibits excellent high temperature stability shown to have fire resistant properties, and also has favorable clean burning-off properties that minimize surface residue in hot rolling applications. AdtecTM 426 is designed with high TAN to be used in applications requiring high acidity. It proves to be biodegradable according to the European 21 days and EPA 28 days biodegradability tests.

Applications:

Adtec™ 426 has found application in the metalworking industry for use in steel milling, grinding, cutting oils, hot or cold rolling oils and drawing lubricants. With its high thermal stability and biodegradability, it can be a cheaper alternative as a base stock for hydraulic fluids for outdoor mobile equipment.

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