

Product Datasheet

FOR2

FOR2 is characterized as a Tall Oil Fatty Acid (TOFA) with high fatty acid content and low content of rosin acids and unsaponifiables. **FOR2** possesses light colour together with excellent colour stability and air-drying properties. The superior chemical reactivity of **FOR2** is due to its long carbon chain (C18), the acid function of carboxyl group (-COOH) and the unsaturation of the double bonds.

Specification of FOR2

Analysis	Value	Method
Acid value, mg(KOH)/1g	min. 193	SCAN-T 11
Colour (Gardner)	max. 5	ASTM D 6166
Free rosin acids, %	max. 2.1	SCAN-T 14
Unsaponifiables, %	max. 2	SCAN-T 13

Typical analyses of FOR2

Analysis	Value	Method
Acid value, mg(KOH)/1g	195	SCAN-T 11
Cloud point, °C	-2	ASTM D 2500
Colour (Gardner)	4	ASTM D 6166
Density at 15 °C, kg/m ³	909	SCAN-T 2
Flash point (closed cup), °C	205	ASTM D 93
Free fatty acids, %	96	Internal method (calc. as oleic acid)
Free rosin acids, %	1.9	SCAN-T 14
Iodine value (Wijs), cg(I ₂)/g	154	ASTM D 5768
Pour point, °C	-12	SCAN-T 5
Saponification number	198	SCAN-T 12
Unsaponifiables, %	1.8	SCAN-T 13
Viscosity at 40 °C, mPas	16	ASTM D 2196

Product handling

FOR2 should be delivered at around 20 °C, and the recommended minimum storage temperature is 15 °C. If **FOR2** is subjected to low temperatures during storage or transportation it may become cloudy or show some precipitation. This is a normal characteristic and not a defect. If affected, the material should gently be heated to max. 30 °C and circulated or agitated to restore the clear and bright condition.

Delivery form

Liquid in ISO tank container, road tanker, flexitank or IBC container.

Product identifier

EINECS number	263-107-3
CAS number	61790-12-3
CN code	38231300



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