



FOR10 Product Datasheet

General Information

FOR10 is Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids.
FOR10 is an excellent raw material in various applications for example it can be used in metal working fluids, oil field chemicals, soaps, cleaners and alkyd resins.

Specification of FOR10

Analysis	Value	Method
Colour Gardner, photometer	max. 6,5	ASTM D 6166-97
Free rosin acids, %	9 - 11	SCAN-T 14:78

Typical analyses of FOR10

Analysis	Value	Method
Acid value	194	SCAN-T 11:72
Cloud point, °C	2	ASTM D 2500-99
Colour Gardner, photometer	4.5	ASTM D 6166-97
Density at 20 °C, kg/m ³	920	SCAN-T 2:65
Flash point, closed cup, °C	200	ASTM D 93-00
Free fatty acids, %	87	ASTM D 5974-00
Free rosin acids, %	10	SCAN-T 14:78
Pour point, °C	-7	SCAN-T 5:67
Refractive index at 20 °C	1,478	SCAN-T 1:65
Saponification value	196	SCAN-T 12:72
Unsaponifiables, %	3	SCAN-T 13:74
Viscosity at 20 °C, mPas	50	ASTM D 2196-99

Product handling

FOR10 should be delivered at around 50 °C and the recommended minimum storage temperature is 40 °C. If **FOR10** is subjected to cold temperatures during storage or transportation it may become cloudy or show some precipitation or crystallization. This is a normal characteristic and not a defect. If affected, the material should be gently heated to around 75 °C and circulated or agitated to restore the clear and bright condition.

Delivery form

Preferably bulk liquid in road tanker, rail tank wagon, ISO-container. Delivery in flexitank, steel drums and IBCs is possible subject to product handling considerations above.

EINECS number 232-304-6
CAS number 8002-26-4
CN-code 38030090

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In all applications of **FOR10** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.