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for 20 DISTILLED TALL OIL

FOR20
Product Datasheet

General Information

FOR20 is Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids.
FOR20 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 FOR20

Analysis	Value	Method
Colour Gardner, photometer	max. 6,5	ASTM D 6166-97
Free rosin acids, %	19 - 21	SCAN-T 14:78

Typical analyses of FOR20

Analysis	Value	Method
Acid value	190	SCAN-T 11:72
Cloud point, ℃	5	ASTM D 2500-99
Colour Gardner, photometer	4.5	ASTM D 6166-97
Density at 20 ℃, kg/m ^{3}	930	SCAN-T 2:65
Flash point, closed cup, ℃	200	ASTM D 93-00
Free fatty acids, %	76	ASTM D 5974-00
Free rosin acids, %	20	SCAN-T 14:78
Pour point, ℃	-5	SCAN-T 5:67
Refractive index at 20 ℃	1,484	SCAN-T 1:65
Saponification value	194	SCAN-T 12:72
Unsaponifiables, %	3	SCAN-T 13:74
Viscosity at 20 ℃, mPas	70	ASTM D 2196-99

Product handling

FOR20 should be delivered at around 50 ˚C and the recommended minimum storage temperature is 40 ˚C. If **FOR20** 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 **FOR20** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.

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