



FOR20X Product Datasheet

General Information

FOR20X is Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids. **FOR20X** 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. **FOR20X** is specially designed for better low temperature properties and it is carefully distilled from specially selected Tall Oils.

Specification of FOR20X

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 FOR20X

Analysis	Value	Method
Acid value	190	SCAN-T 11:72
Cloud point, °C	0	ASTM D 2500-99
Colour Gardner, photometer	4.7	ASTM D 6166-97
Density at 20 °C, kg/m ³	930	SCAN-T 2:65
Flash point, closed cup, °C	200	ASTM D 93-00
Free fatty acids, %	76	ASTM D 5974-00
Free rosin acids, %	20	SCAN-T 14:78
Pour point, °C	-6	SCAN-T 5:67
Refractive index at 20 °C	1,485	SCAN-T 1:65
Saponification value	194	SCAN-T 12:72
Unsaponifiables, %	3	SCAN-T 13:74
Viscosity at 20 °C, mPas	70	ASTM D 2196-99

Product handling

FOR20X should be delivered at around 50 °C and the recommended minimum storage temperature is 35 °C. If **FOR20X** 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 **FOR20X** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.