

# Product Datasheet

## FOR90

**FOR90** is an unmodified Tall Oil Rosin (TOR) product with a higher content of abietic type rosin acids. **FOR90** is an excellent base rosin to be upgraded for various end uses, like printing ink binders and adhesive resins.

### Specification of FOR90

Analysis	Value	Method
Acid value, mg(KOH)/1g	min. 170	SCAN-T 11
Colour, rosin (Gardner)	max. 4.5	ASTM D 6166, mod.
Free rosin acids, %	min. 90	SCAN-T 14
Softening point (Mettler cup & ball), °C	min. 68	ASTM D 6090

### Typical analyses of FOR90

Analysis	Value	Method
Acid value, mg(KOH)/1g	178	SCAN-T 11
Colour, rosin (Gardner)	3.1	ASTM D 6166, mod.
Free fatty acids, %	3.5	Internal method (calc. as oleic acid)
Free rosin acids, %	93	SCAN-T 14
Softening point (Mettler cup & ball), °C	72	ASTM D 6090
Unsaponifiables, %	3	SCAN-T 13

### Product handling

Melting of the solid rosin requires temperatures above 150 °C to avoid crystallization. For storage of the liquid rosin thermal insulated tanks and equipment to maintain temperature between recommended 150 and 200 °C are necessary. Hot, molten rosin has limited stability, and it is not intended for prolonged storage. Therefore, it should be used without unnecessary delay.

### Delivery form

Preferably bulk in molten form (hot liquid) in road tanker or ISO tank container.

### Product identifier

**EINECS number** 232-475-7  
**CAS number** 8050-09-7  
**CN code** 38061090



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