



Product Data Sheet

Thioplast™ G 131

Status:
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Description Liquid polysulfide polymer with thiol end groups

Structure
$$\text{HS-(R-SS)}_a\text{-CH}_2\text{-CH(CH}_2\text{-(SS-R)}_b\text{)-SH}$$
$$\quad \quad \quad |$$
$$\quad \quad \quad \text{(SS-R)}_c\text{-SH}$$

$$\text{R} = \text{-(CH}_2\text{)}_2\text{-O-CH}_2\text{-O-(CH}_2\text{)}_2\text{-}$$

$$a + b + c = n = 30 \text{ to } 38$$

Properties	Appearance	brown liquid
	SH content	1,0 – 1,3
	Viscosity (25 °C) Pa*s	80 - 145
	Av. Molecular weight	g/mol 5200 - 6500
	Cross-linking agent	mol-% TCP 0,5
	Specific weight	kg/m ³ 1,310
	Water content	% max 0.3
	Sulfur content	% 37 - 38
	Free sulfur	% 0.01 – 0.1
	Volatile ingredients	% max 0.3
	Glass point	°C app. – 60 °C
	Flash point	°C > 230 °C
	Specific heat	kJ/kg*K 1.26
	Heat of combustion	kJ/kg 24,075

Application Base polymer of elastic sealants

Curing Curing agent: Manganese(IV)-oxide^(*): 5.2 g/100 g Thioplast G 131
(*) pure curing agent substance; the concentration of technical products has to be considered

<u>Curing paste</u>	<u>pbw</u>
Manganese(IV)-oxide, FA	100
Saticizer 278	100
Perkacit DPG	6
Airex 900	7.4

Properties of Thioplast G 131 cured with 11 g curing paste/100 g Thioplast G131:
Shore A-hardness min 33
Elongation @ break % min 120

Packaging Lid drums 250 kg net; inner liner, bungs upon request

Storage Store the container in cool and dry area, keep it closed when not in use.
Shelf life under appropriate storage conditions min 3 years

Handling Full information on the safe handling of Thioplast G 131 is available in the Material Safety Data Sheet (MSDS).

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