Product Data Sheet

Thioplast™ G 131

Status:
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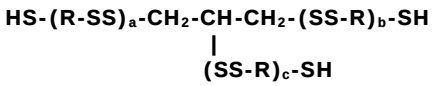
Description

Liquid polysulfide polymer with thiol end groups

Structure



R = -$(CH_2)_2$-O-CH_2-O-$(CH_2)_2$-

a + b + c = n = 30 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/m³	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

Curing paste	pbw
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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