TECHNICAL DATA SHEET

RT-SIL40-TL-FG

Food grade · soft silicone · translucent · 40 Sh A

Product overview

Material family	Food grade
Colour	Translucent
Available thicknesses	1 · 1.5 · 2 · 3 · 4 · 5 · 6 · 8 · 10 mm
Roll width	1200 mm
Roll length	10000 mm
Typical use	Food-contact suitable.

Certifications & compliance

- Food contact: complies with FDA requirements and EU Regulation (EC) No 1935/2004
- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.20±0.05
Hardness	DIN 53505 / ASTM D2240	40 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	853 PSI / 60 kg/cm²
Elongation at break (min)	DIN 53504 / ASTM D412	250%
Compression set (70°C/24 h/25% compression) (max)	DIN 53517 / ASTM D395 METHOD B	45 %
Tear resistance (angular) min	DIN 53515 / ASTM D624	112 lbs/inch / 20 kg/cm
Change in properties after heat ageing for (72 h at 100 °C	ASTM D573	
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Hardness (pts)		+3 (max)
Tensile strength (%)		+5 / - 5
Elongation at break (%)		+5 / - 5
Volume swell: at 70°C for 72	ASTM D471	
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In IRM oil No. 901		Not recommended
In IRM oil No. 902		Not recommended
In IRM oil No. 903		Not recommended
Chemical resistance		
Ozone	ASTM D1149	Excellent
Dilute acids and bases		Excellent
Concentrated acids and bases		Excellent
Oils		Not recommended
Solvents		Not recommended
Temperature range		-90 °C to +230 °C TRANSLUCENT/RED