

## Teknikum

### WEAR SAFE™ Red 40

#### rubber lining compound



#### APPLICATIONS

Natural rubber and butadiene rubber mixture based on black soft rubber compound, which is highly resistant to various abrasive slurries used at mining environment and other process industry applications.

The hardness 40 ShA is great for abrasion resistance supported by excellent resilience to stand flexible surface for material flow.

Developed for the mining industry, e.g. material transfer at concentration plants and tailings pipelines. The red color allows use as visual wear indicator in case of two (2) layers of rubber lining is placed (black soft rubber lining on top).

Autoclave vulcanization.

#### ADVANTAGES

- Great wear resistance
- Very strong adhesion to steel
- Good strength values

#### TECHNICAL PROPERTIES

##### Elastomer

- Natural rubber and butadiene rubber (NR/BR)

#### Environmental resistance

- Moderate resistant to chemicals

#### QUALITY & COMPLIANCE

The manufacturing quality control is based on ISO-9001 certified systems.

The rubber compound does not contain any RoHS 2 controlled substances or phthalates and is compliant with REACH directive.

The compound does not contain any substances named on the SVHC (Substances of Very High Concern) candidate list XIV of REACH.

#### ORDER REFERENCE

- Rubber compound ID: SK1435000

#### MANUFACTURER

Teknikum Ltd (Business ID FI 07645274)  
Sementtitehtaankatu 4, FI-04260 Kerava,  
FINLAND

#### Sales & Marketing

Teknikum Group, Linings BU

#### More information

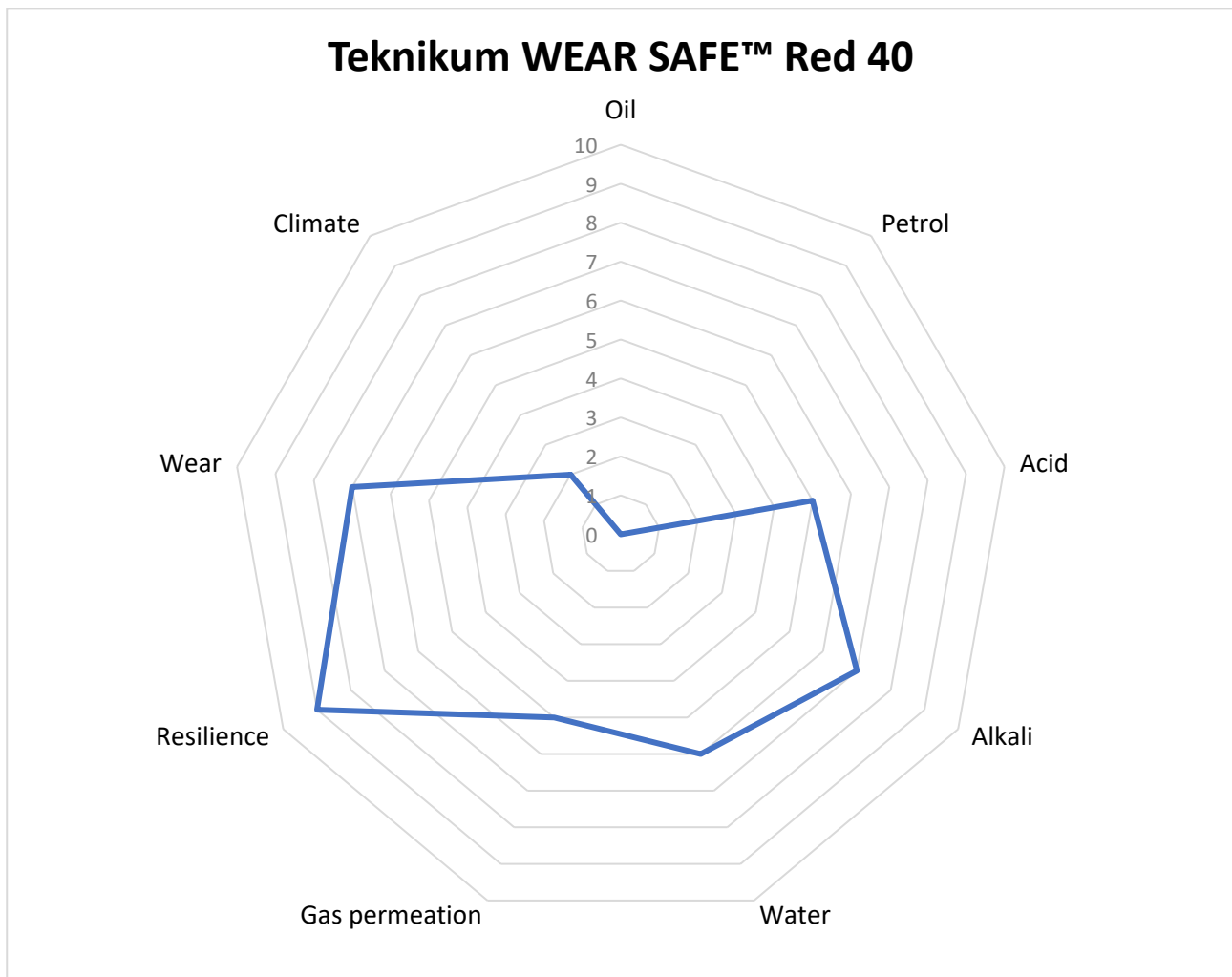
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## TYPICAL MATERIAL PROPERTIES<sup>1</sup>



Property	Standard	Unit	Value
Hardness	ISO 48-4	Shore A	40 ± 5
Tensile strength	ISO 37	MPa	9
Elongation at break	ISO 37	%	700
Tear strength	ISO 34 Crescent	N/mm	30
Abrasion resistance (5 N weight)	ISO 4649 Method A	mm <sup>3</sup>	110
Rebound resilience	ISO 4662	%	60
Temperature range	-	°C	- 40 - + 70

<sup>1</sup>Note: The above values are typical mean values of the production compounds and should not be used as specification limit or as a basis of design.

## TEKNIKUM WEAR SAFE™ RED 40 SHA LINING RUBBER ON ROLL

Item number	Thickness (mm)	Standard width (mm)	Roll Length (m)	Roll weight (kg)	Minimum order quantity (Rolls)
SK14350002	5	1100	20	120	1
SK14350001	6	1100	10	68	2

### NOTES

- Standard thicknesses are 5 mm and 6 mm. Thicknesses between 2-10mm are available upon request.
- Standard width is 1100 mm rolls, which is convenient for transportation in wooden boxes.
- Widths between 600-1500 mm are available upon request.