

Teknikum RAIL SAFE™ EPDM Black 75 compound



APPLICATIONS

This black rubber compound is made from fire retarded sulfur cured EPDM based rubber. It meets the highest hazard level demands for fire resistance of seals, hoses and similar products in railway applications.

This rubber compound can be used for internal and external sealing and other profiles in subways, trams and trains or to other products where similar flame retardancy is needed.

Delivery as calendered or strips.

ADVANTAGES

- Halogen free and flame-retardant
- Suitable for sealing profiles where higher hardness is needed
- Suitable for continuous curing including UHF

TECHNICAL PROPERTIES

Elastomer

- EPDM

Environmental resistance

- Good resistance to chemicals
- Good weather resistance

QUALITY & COMPLIANCE

Compliant with EN 45545-2: 2020 R22/R23 HL3.

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 over 0.1 % by mass of any substances named on the SVHC (Substances of Very High Concern) candidate list XIV of REACH.

ORDER REFERENCE

- Rubber compound ID: S782177AA

MANUFACTURER

Teknikum Ltd (Business ID FI 07645274)
Sementtitehtaankuja 12, FI-04260 Kerava,
FINLAND

Sales & Marketing

Teknikum Group, Compounds

More information

sales@teknikum.com

www.teknikum.com

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TYPICAL MATERIAL PROPERTIES¹

Property	Standard	Unit	Value
Hardness	ISO 48-4	Shore A	75 ± 5
Tensile strength	ISO 37	MPa	5,5
Elongation at break	ISO 37	%	350
Limited oxygen index (LOI)	EN ISO 4589-2	°C	36,4
Specific weight	ISO 2781	kg/l	1,5
Temperature range	-	°C	- 25 - + 110

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