



RS

RS

Technical Data Sheet 127

Edition: 12/2025, supersedes all prior editions.

Please see the latest issue at www.reinz-industrial.com

Material	RS has a core consisting of a tanged sheet of galvanized steel. A soft material compound containing organic and inorganic fibers, inorganic fillers, and high- grade elastomer binders is pressed onto both sides of the core.
Properties	RS exhibits very high mechanical strength plus very high resistance to temperature and creep, yet still conforms well to sealing surfaces. The material is resistant to oils, fuels, and mixtures of water and antifreeze or corrosion inhibitors.
Application	For cylinder head gaskets in standard IC engines, and other sealed joints subjected to high mechanical and thermal stress, e.g. intake and exhaust manifolds, transmission flanges, and high- pressure pumps.
Surfaces	For special applications, individual coatings applied over the full or partial surface or as beads are available. The coating materials used depend on the service requirements.



RS

Technical Data (nominal thickness 1.30 mm)	Weight per surface unit 1,3 mm	kg/ m ²	≈ 3.8
	2,0 mm	kg/ m ²	≈ 5.4
	Residual stress acc. to DIN 52 913 16 h, 300 °C	N/ mm ²	≥ 40
	Compressibility and recovery acc. to ASTM F 36, procedure J		
	compressibility	%	6 - 12
	recovery	%	≥ 55
	Swelling acc. to ASTM F 146		
	in IRM 903 Oil (replaces ASTM Oil No. 3) 5 h, 150 °C		
	increase in thickness	%	≤ 10
	in water / antifreeze (50:50) 5 h, 100 °C		
	increase in thickness	%	≤ 10
	Maximum operating temperature	°C	400
	Surface pressure maximum at 300 °C	N/ mm ²	100



The data quoted above are valid for the material "as delivered" without any additional treatment. In view of the countless possible installation and operating conditions, definitive conclusions cannot be drawn for all applications regarding the behaviour in a sealed joint. Therefore, we do not give any warranty for technical data, as they do not represent assured characteristics. If you have any doubt, please contact us and specify the exact operating conditions.

Form of delivery

Gaskets according to a drawing, dimensions supplied, or other arrangement.

Rolls 500 mm wide (guaranteed minimum usable width 480mm)
Other forms of delivery by arrangement

Nominal thickness	Tolerance (mm)	Roll length (m)
1.20	±0.05	170
1.30	±0.05	160
1.40	±0.06	150
1.50	±0.06	140
1.80	±0.08	110
2.00	±0.08	100