



REINZOLOID FS 53

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Technical Data Sheet 453 (previously TDS 631)

Edition: 05/2012, supersedes all prior editions.

Please see the latest issue at www.reinz.com/datasheet

- Material** REINZOLOID FS 53 is a gasket material based on glue- bonded, impregnated cellulose fibers.
- Properties** REINZOLOID FS 53 is an economical gasket material with good resistance to oils and fuels. In addition, the material is compressible and conformable.
- Application**
- in transmissions, carburettors, fuel and oil pumps, axles
 - for sealing fuels, oils, water, mixtures of water & antifreeze and corrosion inhibitors

The use of this material for steam and dry heat service is not recommended.

Technical Data	Density	g/ cm ³	0.7 - 0.9
	Tensile strength (thickness ≤ 1.5 mm) acc. to ASTM F 152 across grain acc. to DIN 52 910 across grain	N/ mm ² N/ mm ²	> 20 > 15
	Compressibility and recovery acc. to ASTM F 36, procedure G	%	20 - 40
	compressibility	%	> 35
	recovery	%	> 35
	Swelling acc. to ASTM F 146:		
	in IRM 903 Oil (replaces ASTM Oil No. 3) 22 h, room temp.		
	increase in thickness	%	< 5
	increase in weight	%	< 20
	in ASTM Fuel B 22 h, room temp.		
increase in thickness	%	< 5	
increase in weight	%	< 15	
in water / antifreeze (50:50) 22 h, room temp.			
increase in thickness	%	< 30	
increase in weight	%	< 95	
Maximum operating temperature	°C	120	
Maximum operating pressure	bar	10	



Max. continuous temperature and max. pressure must not occur simultaneously.



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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 1000 mm wide

Nominal thickness	Tolerance (mm)	Roll length (m)
0.25	±0.05	200
0.50	±0.05	150
0.75	±0.07	100
1.00	±0.10	50
1.50	±0.10	50