

REINZOLOID FS 53

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Technical Data Sheet 453 (previously TDS 631)

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

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/ cm³	0.7 - 0.9
	Tensile strength ≤ 1.5 mm) acc. to ASTM F 152 acc. to DIN 52 910	across grain across grain	N/ mm² N/ mm²	> 20 > 15
	Compressibility and recovery acc. to ASTM F 36, procedure G compressibility recovery		% %	20 - 40 > 35
	Swelling acc. to ASTM F 146:			
	in IRM 903 Oil (replaces AST 22 h, room temp. increase in thickness increase in weight	FM Oil No. 3)	% %	< 5 < 20
	in ASTM Fuel B 22 h, room temp. increase in thickness increase in weight		% %	< 5 < 15
	in water / antifreeze (50:50) 22 h, room temp. increase in thickness increase in weight		% %	< 30 < 95
	Maximum operating temper	ature	°C	120
	Maximum operating pressu	re	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

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

arrangement.