



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	<ul style="list-style-type: none"> • in transmissions, carburetors, fuel and oil pumps, axles • for sealing fuels, oils, water, mixtures of water & antifreeze and corrosion inhibitors <p>The use of this material for steam and dry heat service is not recommended.</p>		
Technical Data (nominal thickness 0,8mm)	Density	g/ cm ³	0.7 - 0.9
	Tensile strength acc. to ASTM F 152	N/ mm ²	> 13
	Compressibility and recovery acc. to ASTM F 36, procedure G		
	compressibility	%	20 - 40
	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 distilled water		
	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	100
0.50	±0.05	100
0.80	±0.08	100
1.00	±0.10	50
1.60	±0.16	50