



## REINZOLOID FS 53

### REINZOLOID FS 53

#### Technical Data Sheet 453 (previously TDS 631)

Edition: 05/2012, supersedes all prior editions.

Please see the latest issue at [www.reinz.com/datasheet](http://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.

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



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



**REINZOLOID FS 53**



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