

FD - Series – BfR, FDA, 2002/72/EC conform

Typical Application:

- seals
- grips
- consumer articles

**Applications with food contact
extremely flexible**
FD-series – conforming to BfR, FDA, 2002/72/EC, natural

	Colour	Hardness DIN 53505 / ISO 868 Sh A	Density DIN EN ISO 1183-1:2004 g/cm ³	Tensile strength ¹ DIN 53504 / ISO 37 MPa	Elongation at break ¹ DIN 53504 / ISO 37 %	Tear resistance ISO 34-1 methode B (b) (Graves) N/mm	Compression set ISO815 %		
							72h/ 23°C	22h/ 70°C	22h/ 100°C
TF2CGN	natural	20	1.1	3.6	820.0	11.5	11	34	69
TF3CGN	natural	30	1.1	4.1	880.0	11.4	13	27	60
TF4CGN	natural	40	1.1	5.0	900.0	12.9	15	34	69
TF5CGN	natural	50	1.1	5.6	900.0	15	19	42	69
TF6CGN	natural	60	1.1	6.8	840.0	17.4	25	44	71
TF7CGN	natural	70	1.1	6.3	750.0	20.4	34	51	75
TF8CGN	natural	80	1.1	6.9	680.0	22.6	37	53	78
TF9CGN	natural	90	1.1	6.9	530.0	26.9	48	69	81

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200mm/min

This datasheet is an extract of the KRAIBURG TPE program. Please contact KRAIBURG TPE to select the compound suitable for the requirements.

Remark:	The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The results of our tests are determined by sample check and mean only a technical description of our products. It shall not absolve the customer of the responsibility to make tests for his intended process or purpose. Therefore, KRAIBURG TPE makes no warranties and assumes no liability in connection with any use of this information.
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TYPICAL APPLICATIONS:

- seals
- gips
- consumer articles

**Applications with food contact
extremely flexible**

FD-series – conforming to BfR, FDA, 2002/72/EC, translucent

	Colour	Hardness DIN 53505 / ISO 868 Sh A	Density DIN EN ISO 1183- 1:2004 g/cm ³	Tensile strength ¹ DIN 53504 / ISO 37 MPa	Elongation at break ¹ DIN 53504 / ISO 37 %	Tear resistance ISO 34-1 methode B (b) (Graves) N/mm	Compression set ISO 815 %		
							72h/ 23°C	22h/ 70°C	22h/ 100°C
TF2CGT	translucent	20	0.88	4.9	940.0	7.1	12	30	58
TF3CGT	translucent	30	0.88	6.0	960.0	8.0	15	35	61
TF4CGT	translucent	40	0.88	7.4	960.0	10.9	20	40	69
TF5CGT	translucent	50	0.88	6.7	890.0	13.6	22	48	69
TF6CGT	translucent	60	0.88	6.1	740.0	15.6	31	50	76
TF7CGT	translucent	70	0.88	6.5	730.0	18.6	29	52	81
TF8CGT	translucent	80	0.88	7.1	640.0	23.0	36	51	76
TF9CGT	translucent	90	0.88	7.6	510.0	28.7	43	67	78

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200mm/min

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MATERIAL ADVANTAGES:

- Easy to colour
- BfR, FDA, 2002/72/EC and EN 71/3 conforming
- Excellent physical properties
- Smooth surface
- Adhesion to PP
- Service temperature: -40° C to +100° C (dynamic stress: up to 80° C)
- With many prevalent methods weldable
- Halogen-free
- Recyclable

PROCESSING:

Injectionmolding:

- Standard injection molding machine
- Processing Temperature: 180° C to 220° C (max. 250° C)
- Gate: < 1.0 mm

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