

**THERMOLAST® K TF9WCS (Series: DW/CS)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

Sealing applications in the drinking water sector with adhesion to PP

Typical applications

- Seals, functional and design elements in sanitary sector

Material advantages

- Adhesion to PP
- Plasticizer free
- Optimized compression set
- Thermoplastic alternative to elastomers
- Resistance to microbes

Regulations / Approvals

- Regulation (EU) No 10/2011
- DVGW Arbeitsblatt W270
- ACS (DGS/VS4 n° 200/232)

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Compression Set	• Microbe Resistant
Uses	• Seals		
Agency Ratings	• ACS DGS/VS 4 n° 2000-232	• DVGW W270	• EU 10/2011
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Break)	2030	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	400	%	ISO 37
Tear Strength <sup>3</sup>	200	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	20	%	
158°F, 24 hr	75	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	87		ISO 48-4

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Method A
