

THERMOLAST® K TF6WCS (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
- KTW
- 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	• EU 10/2011	
	• DVGW W270	• KTW	
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	2320	psi	ISO 37
Tensile Elongation ² (Break)	550	%	ISO 37
Tear Strength ³	62.8	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	15	%	
158°F, 24 hr	75	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	58		ISO 48-4

Notes
¹ Typical properties: these are not to be construed as specifications.

² Type S2, 7.9 in/min

³ Method Bb, Angle (Nicked)

⁴ Method A
