

THERMOLAST® K TF9WKF (Series: DW)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The DW Series is your material solution for applications in contact with drinking water. The compounds are approved in accordance with all relevant European drinking water standards - DVGW, W270, KTW, WRAS, ACS.

Typical applications

Seals, functional and design elements in sanitary sector

Shower heads

Material advantages

Adhesion to PP/PE

Easy coloring (compounds in natural colors)

For injection molding and extrusion

Smooth surface and repels dirt and lime deposit

Thermoplastic alternative material to elastomers

General Information			
Features	Good Adhesion		
	Good Colorability		
Uses	Potable Water Applications		
	Seals		
Agency Ratings	ACS Unspecified Rating		
	DVGW W270		
	KTW Unspecified Rating		
	WRAS Unspecified Rating		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	86		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	16.0	MPa	ISO 37
Tensile Elongation ² (Break)	800	%	ISO 37
Tear Strength ³	39	kN/m	ISO 34-1
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	

Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	200	°C
Die Temperature	200 to 230	°C

NOTE		
1.	Type S2, 200 mm/min	
2.	Type S2, 200 mm/min	
3.	Method Bb, Angle (Nicked)	

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