

THERMOLAST® K TF0DWE (Series: DW)

KRAIBURG TPE - Thermoplastic Elastomer

General Information

Product Description

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, ACS. They are available in natural colors and can be colored in many different ways.

Typical applications

- Seals, functional and design elements in sanitary sector
- Grip applications
- Soft touch
- Jet former

Material advantages

- Adhesion to PP
- Plasticizer free
- Optimized mechanical properties
- Thermoplastic alternative to elastomers
- Surface with low sensitivity to dirt
- Resistance to microbes
- Precoloration in all colors

Regulations / Approvals

- Regulation (EU) No 10/2011
- DVGW Arbeitsblatt W270
- KTW
- WRAS (BS6920)

General

| | | | |
|-------------------|--|-----------------------------|---------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Good Adhesion | • Good Colorability | • Microbe Resistant |
| Uses | • Flexible Grips | • Seals | • Soft Touch Applications |
| Agency Ratings | • DVGW W270 • EU 10/2011 | • KTW • WRAS | |
| Appearance | • Natural Color | | |
| Processing Method | • Extrusion | • Injection Molding | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 0.900 | g/cm ³ | ISO 1183 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ² (Break) | 2610 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 700 | % | ISO 37 |
| Tear Strength ³ | 343 | lbf/in | ISO 34-1 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D) | 40 | | 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)

