Kraiburg TPE THERMOLAST® K TF5WKF Thermoplastic Elastomer, Drinking Water (Unverified Data**)

Categories: Polymer; Thermoplastic; Elastomer, TPE; Styrenic TPE

Material Notes:

Typical Application:

- seals and functional elements for drinking water contact
- Seals, functional and design elements in sanitary sector
- Shower heads

Material Advantages:

- Thermoplastic alternative material to elastomers
- Colored compounds available
- Smooth surface and repels dirt and lime deposit
- Soft Compounds 55 Sh A available
- Adapted for injection moulding and extrusion
- Adhesion to PP/PE

Tests of these compounds:

- WRAS (BS 6920) for cold- and hotwater applications in natural color and colored
- W270 in natural color and colored
- Compliance regarding ACS DGS/VS4 2000/232 dated 27th April 2000
- KTW test report

Information provided by Kraiburg TPE. The Kraiburg TPE data in MatWeb is in the process of being updated in December 2022.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in³	DIN EN ISO 1183-1:2004

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	DIN 53505 / ISO 868
Tensile Strength at Break	8.50 MPa	1230 psi	Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min; DIN 53504 / ISO 37
Elongation at Break	620 %	620 %	Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min; DIN 53504 / ISO 37
Graves Tear Strength	15.0 kN/m	85.6 pli	DIN ISO 34-1 Method B (b)

Descriptive Properties	
Color	Natural