THERMOLAST® K TC7HFZ (Series: UV/HF/SF)
KRAIBURG TPE - *Thermoplastic Elastomer*

<div align="center">General Information</div>

Product Description

Applications with long flow paths as well as requirements for UV resistance and surface quality; adhesion to PP

Typical applications
- Water deflectors
- Static window encapsulations
- Roof railing underlays
- Cowls gaskets
- Air guide elements

Material advantages
- Weather resistant, suitable for automotive exterior
- Optimized flow properties
- Surface mapping
- Adhesion to PP
- In-process recycling possible
- Low mold cavity pressure

Regulations / Approvals
- DIN 75201-B - Fogging
- VDA 270 B3 - Odor
- 49 CFR §571.302 (FMVSS 302)
- PV 3930 Florida (1 year)
- PV 3930 Florida (2 years)
- PV 3929 Kalahari (1 year)
- PV 3929 Kalahari (2 years)
- Outdoor Weathering Florida 24 month SAE J1976
- Outdoor Weathering Arizona 24 month SAE J1976
- VW 50123
- BMW GS 93042
- Daimler DBL 5562
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- Ford WSS-M2D517

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Flow	• Good Weather Resistance • Recyclable Material	• UV Resistant
Uses	• Automotive Applications	• Automotive Exterior Parts	• Gaskets
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042 • GM GMW16233	• MERCEDES BENZ DBL 5562 • STELLANTIS B62 0300	• VOLKSWAGEN 50123
Appearance	• Black		
Processing Method	• Injection Molding		

<div align="center">Properties [1]</div>

Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	ISO 1183
Spiral Flow [2, 3]	39.4	in	

Elastomers	Nominal Value	Unit	Test Method

	Nominal Value	Unit	Test Method
Tensile Stress [4] (Break)	725	psi	ISO 37
Tensile Elongation [4] (Break)	550	%	ISO 37
Tear Strength [5]	108	lbf/in	ISO 34-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	72		ISO 48-4

Notes

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

[2] Melt Temperature: 392°F, Injection Pressure: 1.10E+4 psi

[3] DSOP Lab 2032

[4] Type S2, 7.9 in/min

[5] Method Bb, Angle (Nicked)