THERMOLAST® K TC5WEZ (Series: UV/HF)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The UV/HF series is your material solution for applications with long flow paths and requirements for UV resistance. The compounds are suitable for automotive exterior applications. They have a low density and are available in black.

Typical applications

- Roof racks
- Window encapsulations
- Water deflectors
- Cowls gaskets
- Door sills
- A/B/C/D cappings and covers
- Corner Molding
- 2-component seals for doors

Material advantages

- Weather resistant, suitable for automotive exterior
- Optimized flow properties
- Surface mapping
- Adhesion to PP
- In-process recycling possible
- Low density
- 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
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- Renault 03-10-104
- 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 • Low Density	• Recyclable Material
Uses	• Encapsulant • Gaskets	• Protective Coverings • Racks	• Seals
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042 • MERCEDES BENZ DBL 5562	• STELLANTIS B62 0300 • VOLKSWAGEN 50123	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm³	ISO 1183
Spiral Flow [2, 3]	39.4	in	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [4] (Break)	1020	psi	ISO 37
Tensile Elongation [4] (Break)	800	%	ISO 37
Tear Strength [5]	74.2	lbf/in	ISO 34-1
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	52		ISO 48-4

Notes

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

[2] Melt Temperature: 392°F, Injection Pressure: 1.02E+3 psi

[3] DSOP Lab 2032

[4] Type S2, 7.9 in/min

[5] Method Bb, Angle (Nicked)