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**THERMOLAST® K TP5LDZ (Series: UV/LD/b)**  
**KRAIBURG TPE - Thermoplastic Elastomer**


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**General Information**


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**Product Description**

The UV/LD/b series is your material solution for applications requiring optimized mechanics and UVresistance. The compounds are suitable for automotive exterior applications with adhesion to PP. They are available in black.

**Typical applications**

- Roof racks
- Window encapsulations
- Water deflectors
- Cowls gaskets
- Function and design elements
- Automotive Exterior
- Brake lights
- Head lights

**Material advantages**

- Weather resistant, suitable for automotive exterior
- Surface mapping
- Optimized mechanical properties
- Adhesion to PP
- In-process recycling possible
- Optimized compression set

**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
- Daimler DBL 5562
- PSA B62 0300
- Renault 03-10-104
- Ford WSS-M2D517
- FCA MS-DC-242
- GM GMW15702
- GM GMW 16233
- UL 94 HB

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**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Weather Resistance	• Recyclable Material
	• Good Compression Set	• Heat Stabilized	
Uses	• Automotive Exterior Parts	• Gaskets	• Racks

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**Agency Ratings**

- DIN 75201B

**Automotive Specifications**

- BMW GS 93042
- GM GMW16233
- GM GMW15702
- MERCEDES BENZ DBL 5562
- STELLANTIS B62 0300
- VOLKSWAGEN 50123



Appearance	• Black
Processing Method	• Extrusion • Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Break)	1230	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	800	%	ISO 37
Tear Strength <sup>3</sup>	79.9	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	26	%	
158°F, 24 hr	40	%	
212°F, 24 hr	49	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	52		ISO 48-4
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Method A

