

THERMOLAST® K TP4LDZ (Series: UV/LD/b)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

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

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
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042	• GM GMW16233	• STELLANTIS B62 0300
	• GM GMW15702	• MERCEDES BENZ DBL 5562	• VOLKSWAGEN 50123



Appearance	• Black
Processing Method	• Extrusion • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	1020	psi	ISO 37
Tensile Elongation ² (Break)	800	%	ISO 37
Tear Strength ³	62.8	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	21	%	
158°F, 24 hr	36	%	
212°F, 24 hr	53	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	42		ISO 48-4
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Notes

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

² Type S2, 7.9 in/min

³ Method Bb, Angle (Nicked)

⁴ Method A

