

THERMOLAST® K TL6OWG-BLCK (Series: LW/UV)
KRAIBURG TPE - Thermoplastic Elastomer
General Information
Product Description

The LW/UV Series is your lightweight material solution for applications with high UV- and weathering resistance, especially in automotive exterior. The compounds are available in black colors.

Typical applications

- Automotive Exterior
- Water deflectors
- Roof racks
- Function and design elements
- Bumpers
- Edge guards
- Heavy-walled parts
- Cowls gaskets

Material advantages

- Low density
- Adhesion to PP
- UV and weathering resistance
- Non-sticky surface
- In-process recycling possible
- Low shrinkage properties
- Low tendency to warpage

Regulations / Approvals

- 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 12 month SAE J1976
- Outdoor Weathering Florida 24 month SAE J1976
- Outdoor Weathering Arizona 12 month SAE J1976
- Outdoor Weathering Arizona 24 month SAE J1976
- Mercedes-Benz DBL 5562

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Low Density	• Recyclable Material
	• Good Weather Resistance	• Non-Stick	• UV Resistant
Uses	• Automotive Bumper	• Gaskets	• Soft Touch Applications
	• Automotive Exterior Parts	• Racks	• Thick-walled Parts
Automotive Specifications	• FMVSS 302		
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.725	g/cm ³	ISO 1183
Spiral Flow ²	24.8	in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ³ (Yield)	392	psi	ISO 37
Tensile Elongation ³ (Break)	250	%	ISO 37



Tear Strength ⁴	60.0 lbf/in	ISO 34-1
Compression Set ⁵		ISO 815
73°F, 72 hr	14 %	
158°F, 24 hr	24 %	
Hardness	Nominal Value	Unit
Shore Hardness (Shore A)	60	ISO 48-4

Notes

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

² Mold Temperature: 392°F, Injection Pressure: 1.10E+4 psi

³ Type S2, 7.9 in/min

⁴ Method Bb, Angle (Nicked)

⁵ Method A

