THERMOLAST® K TL8OWG-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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Weather Resistance • Low Density	• Low Shrinkage • Low Warpage • Non-Stick	• Recyclable Material • UV Resistant
Uses	• Automotive Bumper • Automotive Exterior Parts	• Gaskets • Racks	• Soft Touch Applications • 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/cm³	ISO 1183
Spiral Flow [2]	22.4	in	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [3] (Yield)	493	psi	ISO 37

Tensile Elongation [3] (Break)	250	%	ISO 37
Tear Strength [4]	99.9	lbf/in	ISO 34-1
Compression Set [5]			ISO 815
73°F, 72 hr	29	%	
158°F, 24 hr	48	%	

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	80		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