THERMOLAST® K TL7OCW-BLCK (Series: LW/CS/UV)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The LW/CS/UV Series is your lightweight material solution for applications with superior requirements on sealing performance. The compounds are especially suited for automotive exterior applications. They are available in black colors.

Typical applications

- Automotive Exterior
- Seals
- Glass Run Channel
- Seals for windows and doors
- Grommets
- Heavy-walled parts

Material advantages

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

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Compression Set • Good Weather Resistance • Low Density	• Low Shrinkage • Low Warpage • Non-sticky • Recyclable Material	• Resilient • UV Resistant
Uses	• Automotive Exterior Parts • Gaskets	• Grommets • Seals	• Thick-walled Parts
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.740	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Yield)	595	psi	ISO 37
Tensile Elongation [2] (Break)	200	%	ISO 37
Tear Strength [3]	68.5	lbf/in	ISO 34-1
Compression Set [4]			ISO 815
73°F, 72 hr	15	%	
158°F, 24 hr	21	%	
212°F, 24 hr	36	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	75		ISO 48-4
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Adhesion to PA6 - (A) [5]	3.4	lbf/in	VDI 2019

Adhesion to PA66 - (A) [5]	2.3 lbf/in	VDI 2019
Adhesion to PP - (D) [5]	19 lbf/in	VDI 2019

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

[5] Two-component injection molding