

**THERMOLAST® K TL5NGG-BLCK (Series: LW/PA)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

Lightweight applications with adhesion to Polyamides

## Typical applications

- Function and design elements
- Grip applications
- Bumpers
- Heavy-walled parts
- Seals

## Material advantages

- Low density
- Adhesion to PA6 and PA12
- Optimized compression set
- Dry haptics
- Soft, non-sticky haptic

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Low Density	• Soft
	• Good Compression Set	• Non-sticky	
Uses	• Automotive Bumper	• Seals	
	• Flexible Grips	• Thick-walled Parts	
Appearance	• Black		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	0.720	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Yield)	305	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	200	%	ISO 37
Tear Strength <sup>3</sup>	57.1	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	10	%	
158°F, 24 hr	37	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	53		ISO 48-4
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6 - (D)	3.00		VDI 2019
Adhesion to PA66	3.00		VDI 2019

**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
