

THERMOLAST® K TL7NGG-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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Compression Set	• Low Density • Non-Stick	• Soft
Uses	• Automotive Bumper • Flexible Grips	• Seals • Thick-walled Parts	
Appearance	• Black		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.725	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Yield)	479	psi	ISO 37
Tensile Elongation ² (Break)	250	%	ISO 37
Tear Strength ³	74.2	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	16	%	
158°F, 24 hr	40	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	70		ISO 48-4
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6 - (D)	3.50		VDI 2019
Adhesion to PA66 - (D)	3.00		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
