THERMOLAST® V TV6LVN (Series: LTP)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The LTP series is your material solution for applications with sealing function and temperature resistance requirements. The compounds are characterized by their adhesion to PP. They are available in black and natural colors. Natural color variants can be colored in many different ways.

Typical applications

- Seals
- Fastenings
- Grommets
- Mechanical components
- Bumper
- Applications in e-mobility

Material advantages

- Long-term sealing function
- Optimized compression set
- Hysteresis
- Adhesion to PP
- Optimized mechanical properties
- In-process recycling possible
- Temperature stability up to 120 °C

Regulations / Approvals

- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- GM GMW15702
- UL 94 HB

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Compression Set	• Good Thermal Stability • Recyclable Material	
Uses	• Automotive Bumper • Fasteners	• Grommets • Seals	
Automotive Specifications	• BMW GS 93042 • GM GMW15702	• MERCEDES BENZ DBL 5562 • VOLKSWAGEN 50123	
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Yield)	798	psi	ISO 37
Tensile Elongation [2] (Break)	400	%	ISO 37
Tear Strength [3]	62.8	lbf/in	ISO 34-1
Compression Set [4]			ISO 815
73°F, 72 hr	18	%	

158°F, 24 hr	33	%
212°F, 24 hr	40	%
248°F, 24 hr	42	%

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	60		ISO 48-4

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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