

# THERMOLAST® V TV5LVN (Series: LTP)

Styrene Ethylene Propylene Styrene Block Copolymer

KRAIBURG TPE

## Message:

The LTP Series is your material solution for sealings requiring high temperature resistance. The compounds are characterized by an excellent adhesion to PP.

Typical applications

Fastenings

Grommets

Seals

Material advantages

Adhesion to PP

Excellent heat resistance up to 140 °C

Excellent hysteresis behaviour

Excellent mechanical properties

Exceptional long-term compression set

General Information			
Features	Good Adhesion		
	High Heat Resistance		
Uses	Fasteners		
	Grommets		
	Seals		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	50		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	4.00	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	400	%	ISO 37
Tear Strength <sup>3</sup>	12	kN/m	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
23°C, 72 hr	12	%	
70°C, 24 hr	33	%	
100°C, 24 hr	43	%	
120°C, 24 hr	45	%	
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	180	°C	

Middle Temperature	200	°C
Front Temperature	220	°C
Mold Temperature	25.0 to 40.0	°C
Injection Pressure	20.0 to 100	MPa
Back Pressure	2.00 to 10.0	MPa

#### NOTE

- |    |                           |
|----|---------------------------|
| 1. | Type S2, 200 mm/min       |
| 2. | Type S2, 200 mm/min       |
| 3. | Method Bb, Angle (Nicked) |
| 4. | Method A                  |

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#### Recommended distributors for this material

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