THERMOLAST® V TV9LVZ (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			
UL YellowCard	E214822-630031		
Features	Good Adhesion		
	High Heat Resistance		
Uses	Fasteners		
	Grommets		
	Seals		
Appearance	Black		
Processing Method	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	89		ISO 7619

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress [1] (Yield)	12.5	MPa	ISO 37
Tensile Elongation [2] (Break)	450	%	ISO 37
Tear Strength [3]	27	kN/m	ISO 34-1
Compression Set [4]			ISO 815
23°C, 72 hr	26	%	
70°C, 24 hr	52	%	
100°C, 24 hr	52	%	
120°C, 24 hr	60	%	

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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