

THERMOLAST® V TV5VAZ (Series: LTP/PA)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

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

Typical applications

Fastenings

Grommets

Seals

Material advantages

Adhesion to PA6 and PA6.6 up to 50 % glass fiber

Excellent heat stability

Exceptional long-term compression set

General Information			
UL YellowCard	E214822-102522303		
Features	Good adhesion		
	Heat resistance, high		
	Thermal stability, good		
Uses	Washer		
	Fasteners		
	Seals		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Break)	4.50	MPa	ISO 37
Tensile Elongation ² (Break)	350	%	ISO 37
Tear Strength ³	12	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	15	%	ISO 815
70°C, 24 hr	35	%	ISO 815
120°C, 24 hr	50	%	ISO 815
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6 - (D)	3.5	kN/m	VDI 2019
Injection	Nominal Value	Unit	
Drying Temperature	60 - 80	°C	

Drying Time	2.0 - 4.0	hr
Rear Temperature	230 - 245	°C
Middle Temperature	250 - 260	°C
Front Temperature	260 - 270	°C
Mold Temperature	40 - 60	°C
Injection Pressure	2.00 - 100	MPa
Back Pressure	2.00 - 10.0	MPa

NOTE

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|----|--------------------------------------|
| 1. | Type S2, 200 mm/min |
| 2. | Type S2, 200 mm/min |
| 3. | Method B, right-angle specimen (cut) |
| 4. | Method A |

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