

THERMOLAST® K TC4LEZ (Series: UV/FG)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The UV/FG Series is your material solution for applications requiring high UV resistance. It is particularly appropriate for automotive exterior and interior components.

Typical applications

Cowls gaskets

Roof rims

Soft touch for grips, switches and mats

Water deflectors

Window encapsulations

Material advantages

Easy flowing

Excellent mechanical properties

Fulfills specifications for automotive interior

Perfect adhesion to PP

Perfect surface finish

Tested according PV3930 for outdoor use

General Information			
Features	Good Adhesion		
	Good Flow		
	Good UV Resistance		
	Outstanding Surface Finish		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	Gaskets		
	Soft Touch Applications		
	Switches		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Spiral Flow ¹	94.0	cm	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	42		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Yield)	6.00	MPa	ISO 37
Tensile Elongation ³ (Break)	800	%	ISO 37
Tear Strength ⁴	10	kN/m	ISO 34-1
Compression Set ⁵			ISO 815
23°C, 72 hr	16	%	

70°C, 24 hr	34	%
100°C, 24 hr	59	%
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. Injection Pressure: 70.0 bar
2. Type S2, 200 mm/min
3. Type S2, 200 mm/min
4. Method Bb, Angle (Nicked)
5. Method A

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