THERMOLAST® K TC7UVZ (Series: UV/AP)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The UV/AP Series is your material solution for applications requiring high UV resistance. It is particularly suited for automotive exterior components. The compounds comply with GM standard GMW 16233.
Typical applications
Roof rims
Water deflectors
Window encapsulations
Material advantages
Adhesion to PP
Easy flowing
Excellent mechanical properties
Excellent UV- and weather resistance

General Information			
Features	Good Adhesion		
	Good Flow		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Automotive Exterior Parts		
Appearance	Black		
Processing Method	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	70		ISO 868

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress [1] (Yield)	6.20	MPa	ISO 37
Tensile Elongation [2] (Break)	600	%	ISO 37
Tear Strength [3]	26	kN/m	ISO 34-1
Compression Set [4]			ISO 815
23°C, 72 hr	24	%	
70°C, 24 hr	59	%	
100°C, 24 hr	74	%	

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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