

THERMOLAST® K TP5HPN (Series: EX/UV)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The EX/UV Series is your material solution for applications requiring high UV resistance. The compounds are both RAL GZ 716 and CSTB/DER/BV-PEM approved.

Typical applications

Distance profiles

Edge guards

Molded parts (solar equipment)

Seals

Material advantages

Adhesion to PP

Alternative to EPDM and PVC-P

Easy coloring (compounds in natural colors)

Excellent mechanical properties

Excellent UV- and weather resistance

Excellent weldability

Halogen-free

No interaction with other materials (e.g. PVC-U, PP, PS, ABS, POM, PA, PC, PMMA)

Recyclable

Resistant to acrylic paints

General Information			
Features	Good Adhesion		
	Good Colorability		
	Good UV Resistance		
	Good Weather Resistance		
	Halogen Free		
	Recyclable Material		
	Weldable		
Uses	Profiles		
	Seals		
Agency Ratings	CSTB DER/BV-PEM		
	RAL GZ 716/1		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49		ISO 7619

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	8.00	MPa	ISO 37
Tensile Elongation ² (Break)	750	%	ISO 37
Compression Set ³			ISO 815
-25°C, 24 hr	60	%	
23°C, 72 hr	14	%	
70°C, 24 hr	29	%	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	200	°C	
Die Temperature	200 to 230	°C	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method A		

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Recommended distributors for this material

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