

THERMOLAST® K TP6HPN (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	1.15	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	58		ISO 7619

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	10.0	MPa	ISO 37
Tensile Elongation ² (Break)	750	%	ISO 37
Compression Set ³			ISO 815
-25°C, 24 hr	60	%	
23°C, 72 hr	15	%	
70°C, 24 hr	34	%	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

