

THERMOLAST® K TC4CSN (Series: CS)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The CS Series is your material solution for sealing applications, providing an excellent compression set. The compounds are available in natural and black colors.

Typical applications

Fastenings

Grommets

Membranes

Seals

Material advantages

Adhesion to PP

Easy coloring (compounds in natural colors)

Excellent compression set

Excellent heat stability

General Information			
Features	Good Adhesion Good Colorability Good Thermal Stability		
Uses	Fasteners Grommets Membranes Seals		
Appearance	Natural Color		
Processing Method	Extrusion Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	38		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	5.00	MPa	ISO 37
Tensile Elongation ² (Break)	550	%	ISO 37
Tear Strength ³	10	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	9.0	%	
70°C, 24 hr	17	%	
100°C, 24 hr	34	%	
120°C, 24 hr	50	%	

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 Bb, Angle (Nicked)
4. 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

