

THERMOLAST® K TC4CSZ (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 Thermal Stability		
Uses	Fasteners		
	Grommets		
	Membranes		
	Seals		
Appearance	Black		
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)	37		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	4.00	MPa	ISO 37
Tensile Elongation ² (Break)	550	%	ISO 37
Tear Strength ³	13	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	9.0	%	
70°C, 24 hr	18	%	
100°C, 24 hr	36	%	
120°C, 24 hr	60	%	
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

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|----|---------------------------|
| 1. | Type S2, 200 mm/min |
| 2. | Type S2, 200 mm/min |
| 3. | Method Bb, Angle (Nicked) |
| 4. | Method A |

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