

SUSTARIN® C GF 25

Acetal (POM) Copolymer
Röchling Sustaplast SE & Co. KG

Message:

- Product characteristics
- High rigidity at good dimensional stability
- Low moisture absorption
- Good dimensional stability
- Typical fields of application
- Mechanical engineering
- Vehicle construction
- Mining and steel-producing industries

General Information			
Features	Good Dimensional Stability		
	High Rigidity		
	Low Moisture Absorption		
Uses	Automotive Applications		
	Engineered Applications		
	Mining Applications		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	85		ISO 868
Ball Indentation Hardness	195	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-20.0 to 100	°C	
-- 2	< 140	°C	
Melting Temperature	165	°C	ISO 11357-3
CLTE - Flow	3.0E-5	cm/cm/°C	DIN 53752

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
3.00 mm	HB	
6.00 mm	HB	
NOTE		
1.	Long Term	
2.	Short Term	

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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



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