

SUSTARIN® C MDT

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

Message:

- Product characteristics
- Metal detectable
- Standard color: blue
- High mechanical strength
- Typical fields of application
- Conveyor industry
- Mechanical engineering
- Food processing industry

General Information			
Features	High Strength		
Uses	Conveyors		
	Engineered Applications		
	Non-specific Food Applications		
Appearance	Blue		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	82		ISO 868
Ball Indentation Hardness	180	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Continuous Use Temperature			
-- 1	-20.0 to 90.0	°C	
-- 2	< 140	°C	
Melting Temperature	168	°C	ISO 11357-3
CLTE - Flow	1.2E-4	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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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

