

Cawiton® MT980

Styrene Ethylene Butylene Styrene Block Copolymer
Wittenburg B.V.

Message:

Cawiton MT980 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) material. It is available in Europe for injection molding.
Important attributes of Cawiton MT980 are:
Sterilizable
Copolymer
Food Contact Acceptable
Typical application of Cawiton MT980: Medical/Healthcare

General Information			
Features	Block Copolymer		
	Ethylene Oxide Sterilizable		
	Food Contact Acceptable		
	Radiation Sterilizable		
	Steam Sterilizable		
Uses	Medical/Healthcare Applications		
Agency Ratings	USP Class VI		
Appearance	Translucent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 2781
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	48	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	2.80	MPa	
Flow : 100% Strain	4.30	MPa	
Across Flow : 200% Strain	3.60	MPa	
Flow : 200% Strain	4.90	MPa	
Across Flow : 300% Strain	4.70	MPa	
Flow : 300% Strain	5.20	MPa	
Tensile Stress			ISO 37
Across Flow : Yield	16.4	MPa	
Flow : Yield	6.80	MPa	
Tensile Elongation			ISO 37
Across Flow : Break	650	%	
Flow : Break	420	%	

Tear Strength			ISO 34-1
Across Flow	44	kN/m	
Flow	46	kN/m	
Compression Set (70°C, 22 hr)	59	%	ISO 815
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC) ¹	166	°C	DSC
Injection	Nominal Value	Unit	
Hopper Temperature	30.0 to 60.0	°C	
Rear Temperature	180 to 220	°C	
Middle Temperature	190 to 230	°C	
Front Temperature	190 to 230	°C	
Nozzle Temperature	200 to 240	°C	
Processing (Melt) Temp	180 to 240	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			

1. Measured with a differential scanning calorimeter

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

