

Cawiton® SN970

Styrene Ethylene Butylene Styrene Block Copolymer

Wittenburg B.V.

Message:

Cawiton SN970 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) material. It is available in Europe for injection molding. Primary attribute of Cawiton SN970: Copolymer.

General Information			
Features	Block Copolymer		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 2781
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	2.50	MPa	
Flow : 100% Strain	3.00	MPa	
Across Flow : 200% Strain	2.90	MPa	
Flow : 200% Strain	3.40	MPa	
Across Flow : 300% Strain	3.40	MPa	
Flow : 300% Strain	3.80	MPa	
Tensile Stress			ISO 37
Across Flow : Yield	7.30	MPa	
Flow : Yield	5.50	MPa	
Tensile Elongation			ISO 37
Across Flow : Break	640	%	
Flow : Break	480	%	
Tear Strength			ISO 34-1
Across Flow	27	kN/m	
Flow	31	kN/m	
Compression Set (70°C, 22 hr)	55	%	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

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Recommended distributors for this material

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