

Cawiton® CN970

Styrene Ethylene Butylene Styrene Block Copolymer

Wittenburg B.V.

Message:

Cawiton CN970 is a high performance SEBS grade with a hardness of 70 Shore A.

The temperature resistance and compression set are striking better than standard SEBS compounds.

General Information			
Features	Block Copolymer		
Appearance	Natural Color		
	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 2781
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	5.9	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	2.80	MPa	
Flow : 100% Strain	3.50	MPa	
Across Flow : 200% Strain	3.90	MPa	
Flow : 200% Strain	4.70	MPa	
Across Flow : 300% Strain	5.10	MPa	
Flow : 300% Strain	5.90	MPa	
Tensile Stress			ISO 37
Across Flow : Yield	9.70	MPa	
Flow : Yield	7.40	MPa	
Tensile Elongation			ISO 37
Across Flow : Break	610	%	
Flow : Break	500	%	
Tear Strength			ISO 34-1
Across Flow	36	kN/m	
Flow	38	kN/m	
Compression Set			ISO 815
70°C, 22 hr	45	%	
120°C, 24 hr	83	%	
Thermal	Nominal Value	Unit	Test Method

Melting Temperature (DSC)	152	°C	DSC
Injection	Nominal Value	Unit	
Hopper Temperature	30.0 to 60.0	°C	
Rear Temperature	170 to 210	°C	
Middle Temperature	180 to 220	°C	
Front Temperature	180 to 230	°C	
Nozzle Temperature	180 to 230	°C	
Mold Temperature	20.0 to 40.0	°C	

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