

Seal Closure Militaire

- Seal Closure Militaire 1/2 to 716 & 4.3-10
- Seal Closure Militaire 1/2 to 4.3-10 Slim Version

Militaire 1/2_7/16_4.3-10 Is a **uni-type** seal closure for **4.3-10 to ½ & 716 to ½ connectors** creating conditions to protect the electrical cable connections of the antenna or the passive equipment from rain, ice, wind, saltiness and polymerization from sun.

Why Seal Closure Militaire 1/2 to 716 & 4.3-10?

Militaire 1/2 to 716 & 4.3-10 is designed to eliminate deficiencies that observed in similar products runs on the market (polymerization from sun, water ingress, etc). On top eliminate maintenance problems that phased with products like Shrinks tubes which is not reusable in case of maintenance needs (VSWR, PIM, Radio upgrades etc.)

Benefits:

- One type of Closure for 7/16 & 4.3-10 connectors just replacing the inner rubbers per type.
 - Reusable even in the cases that connector type changed
 - Minimum maintenance cost just replacing the inner silicon rubbers
 - Possibility of Ordering parts for the Seal closure per customer needs
 - Eliminate on site sealing problems for connectors 716 or 4.3-10 due to lack of materials
 - Antenna & Passive Connector Protection from Rain, Air, Salt, Sunlight, Dust, Moisture
 - Competitive cost
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- Manufacturing standards ISO 9001/2008
 - Patent Design Certificate : 20150100004
 - Patent Design Certificate : 15386031.7-1812

Specification:

- Seal Closures Cover with safe

Elastron G100.A20.N

General Properties			
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Color	Natural
Certifications	RoHS
Processing Method	Injection
Available Standarts	ASTM

Physical Properties			
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Property	Unit	Standart	Value
Hardness	SHORE A	ASTM D 2240	20
Density	g/cm ³	ASTM D 792	1,07
Tensile Strength at Break	MPa	ASTM D 412	3,0
Mod.of Elasticity %100	MPa		0,4
Mod.of Elasticity %300	MPa		1,1
Elongation at break	%		1200
Compression Set	% @ 23°C 22 h	ASTM D 395	10
	% @ 70°C 22 h		40
	% @ 100°C 22 h		67
Tear Resistance	N/mm	ASTM D 624	12

Ageing Tests			
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Ozone Resistance	Stressed	ASTM D 518	No Cracks
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Bondable to			
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PP, EVA, PE

Processing	
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Injection Molding Paramaters

Molding Temperatures	Temperature (°C)
Rear	145 - 175
Center	155 - 185
Front	160 - 190
Nozzle	175 - 205
Mold	25-50
Predrying	Not Necessary

- **Seal Rubber set**

SABIC_DS_PHC27_00900 PP block copolymer for Injection block copolymer for Injection molding

Typical values

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg at 230 °C and 5 kg	g/10 min g/10 min	14 60	ISO 1133
Density	kg/m ³	905	ISO 1183
Mechanical properties			
Tensile test stress at yield stress at break strain at break	MPa MPa %	22 19 600	ISO 527
Flexural test Flexural modulus	MPa	1200	ASTM D 790
Izod impact notched at 23 °C at 0 °C at -20 °C	kJ/m ² kJ/m ² kJ/m ²	No Break 9.0 6.0	ISO 180/4A
Charpy impact notched at 23 °C at 0 °C at -20 °C	kJ/m ² kJ/m ² kJ/m ²	31 12.5 7.0	ISO 179
Hardness Shore D	-	66	ISO 868
Thermal properties			
Heat deflection temperature at 1.80 MPa (HDT/A) at 0.45 MPa (HDT/B)	°C °C	52 87	ISO 75/A ISO 75/B
Vicat softening temperature at 10 N (VST/A) at 50 N (VST/B)	°C °C	140 57	ISO 306/A ISO 306/B

Warranty: 3 years