

TEST REPORT

Product Name: Gel Seal Closure

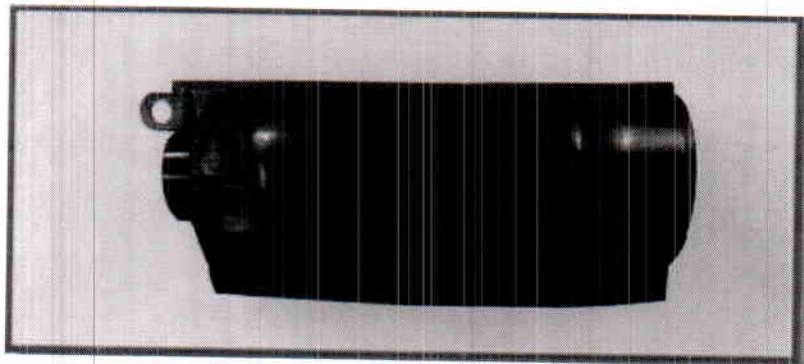
Item No.: GSC-12S-MINDIN

Product name	Gel seal closure	Production date	/
Item No.	GSC-12S-MINIDIN	Mark	/
Sample quantity	1pc	Test start date	2015.09.20
Inspection Date	2016.03.15-2016.03.20		
Test environment	Temperature : 17-18) °C	Humidity: 52%-63%	Atmospheric pressure: (102.3~102.7) kPa
Test items	Environment test: High temperature test, Low temperature test, Humid heat test, Water spray test, Submerging test, Flattening test, Low temperature impact test, Temperature cycling test.		
Test standard	According to standard offered by manufacturer		
Test situation	Test 1pcs gel seal closure (item No.GSC-12S-MINIDIN) under following environment: High temperature test, Low temperature test, Humid heat test, Water spray test, Submerging test, Flattening test, Low temperature impact test, Temperature cycling test. The test result show the product meet the test standard. Detail in Page4.		
Test Result	PASS		
Inspect by:	Review by:	Approved by:	
Date:	Date:	Date:	

Sample Description

Attachment	<input type="checkbox"/> Without attachment	<input type="checkbox"/> With attachment
Appearance inspection	<input type="checkbox"/> Good	<input type="checkbox"/> Defective
Situation after test	<input type="checkbox"/> Normal	<input type="checkbox"/> Others
Picture	<input type="checkbox"/> Without picture	<input type="checkbox"/> With picture
Note	/	

Sample Picture: Gel seal closure for 1/2" cable to MINI DIN connector



Gel Seal Closure In Communication Test Report

Report No: 09-16-YJD445

Serial No.	Inspection items	Standard	Test result	Conclusion
1	Appearance and Structure	The structure of gel seal closure should be steady and integrated , and there should be no burr 、 no bubbles、 no creak、 no warping and no impurities in the appearance . All the labels and marks should be correct 、 clear and tidy .	Meet the requirement	PASS
2	Encapsulation Property	Steep the gel seal closure in a normal temperature water vessel for four hours after encapsulation according to the rules of procedure, and the water depth of the vessel must reach one meter, then there should be no water enter into the gel seal closure.	No water enter into the gel seal closure	PASS
3	Re-encapsulation Property	Steep the gel seal closure in a normal temperature water vessel for half an hour after encapsulation five times according to the rules of procedure, and the water depth of the vessel must reach one meter, then there should be no water enter into the gel seal closure.	No water enter into the gel seal closure	PASS
4	Impact test	Seal the cable tightly with the gel seal closure, then impact it three times with 0.5kg and 1meter. There should be no crack 、 no obvious dents 、 no damage and so on.	0.5kg, impact it 3 times. No water enter no crack 、 no obvious dents, no damage.	PASS
5	Flattening test	The gel seal closure should have the capacity to bear the stress of the 800N/100mm for one minute	Meet the requirement	PASS
6	Bending test	Seal the cable tightly with the gel seal closure, apply a bending force to the cable from joint of a 800mm distance from the end of the gel seal closure, to make the cable's bending of channel is no less than $\pm 45^{\circ}$.or bending force no less than 30N. a After testing this for three times circulations, there should be no crack、 no obvious dents、 no damage of the shell , then there should be no water enter into it after steeping it under one meter deep water for 15 minutes .	No water enter into the gel seal closure, and no crack 、 no obvious dents、 no damage.	PASS

Gel Seal Closure In Communication Test Report

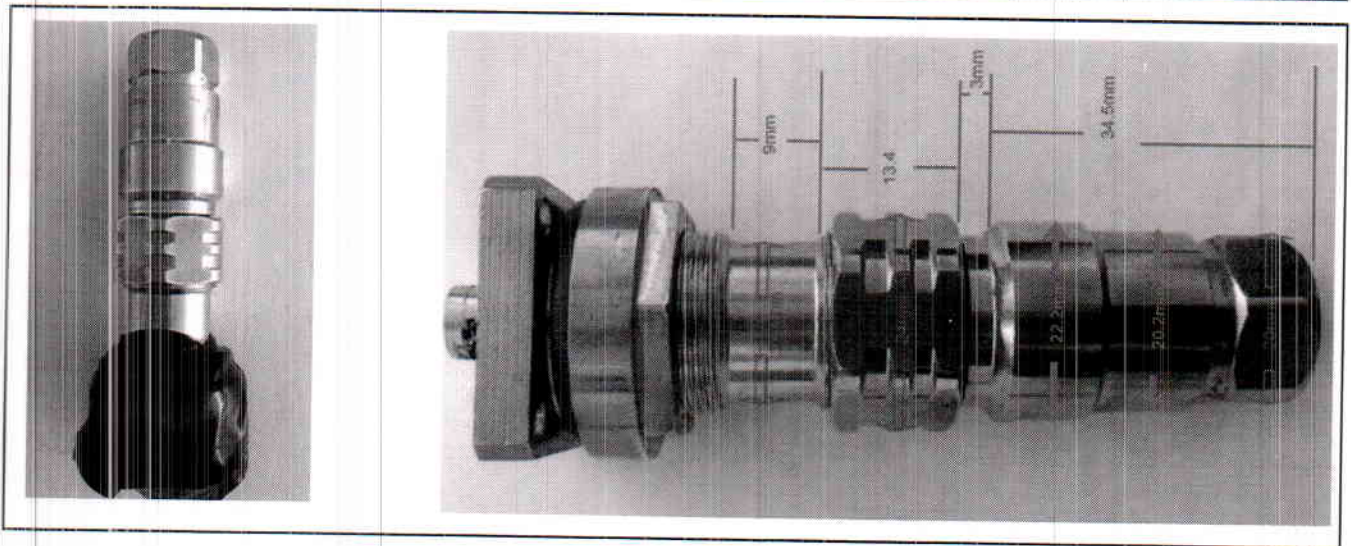
Report No: 09-16-YJD445

Serial No.	Inspection items	Standard	Test result	Conclusion
7	Drop test	Closure drop from 1M height to concrete floor, 5 times, after test, not scattered, should remain closely status, no cracks, damage and deformation.	Meet the requirements	PASS
8	Vibration test	Products should be able to withstand the vibration frequency of 10Hz, amplitude $\pm 3\text{mm}$, vibration time is 8h, after test, closure should be no cracks, damage, under 1m water 4h, no water come in.	No cracks, damage and deformation, no water come in.	PASS
9	Temperature cycling	Putting sample in high and low cycle bin, Uniform up temperature 1 hour to 65°C , constant temperature 4 hour, then uniform reduce temperature 1 hour to -40°C , constant temperature 4 hour, then recovery room temperature, put product to 1m deep water 24 hour, no water leakage occurs, no damage, gel no deformation, open unimpeded.	No water in, no damage, gel no deformation, open unimpeded.	PASS ✓
10	Solar radiation	Closure should bear the test of solar radiation, Radiant intensity $1.12\text{kw}/\text{m}^2$, amount of radiation $26.88\text{kw.h}/\text{m}$, then repeat the shock test.	No cracks or damage, no water come in.	PASS ✓

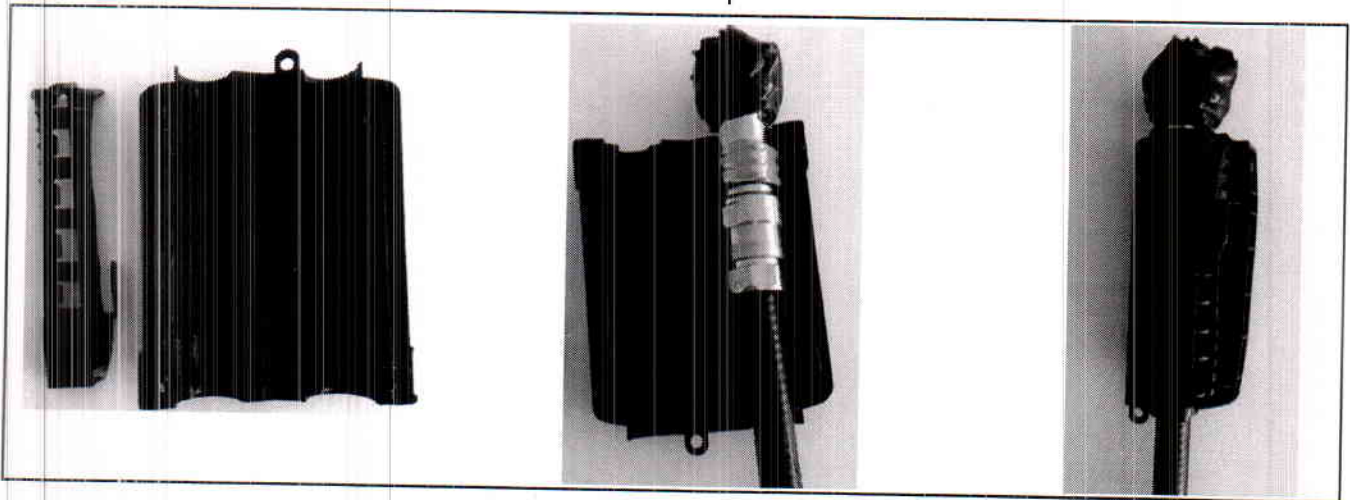
TEST REPORT

Product name:	Gel seal closure for 1/2" cable to MINI DIN connector
Item No.:	GSC-12S-MINIDIN
Test date:	2015-9-16
Test items:	Water immersion test
Test result:	qualified
Test requirements:	Put gel seal closure in 1 m under water for 24 hours, no water enter

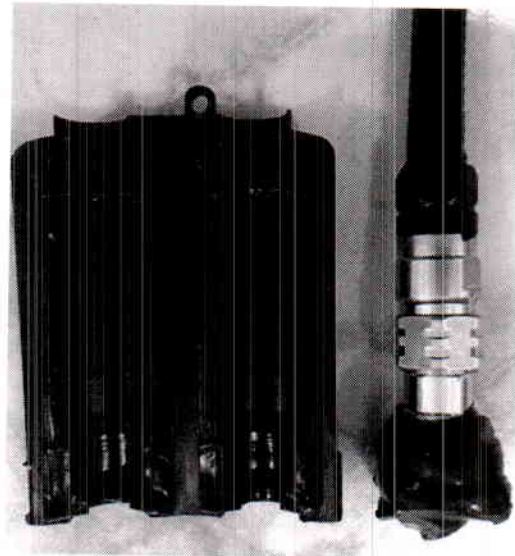
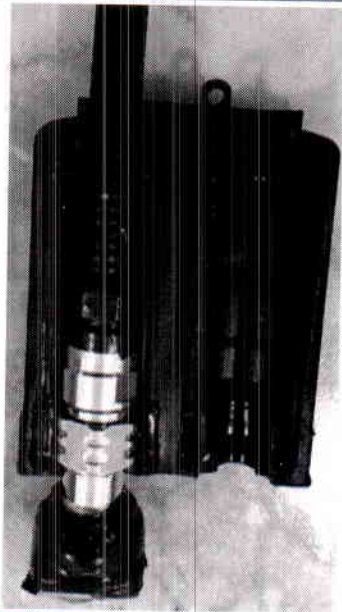
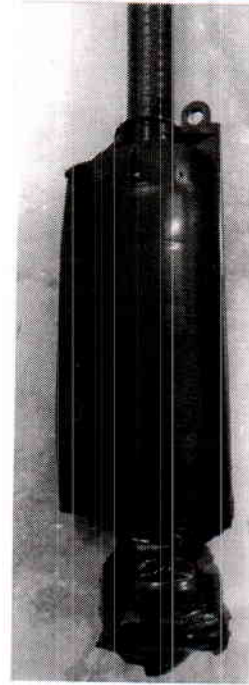
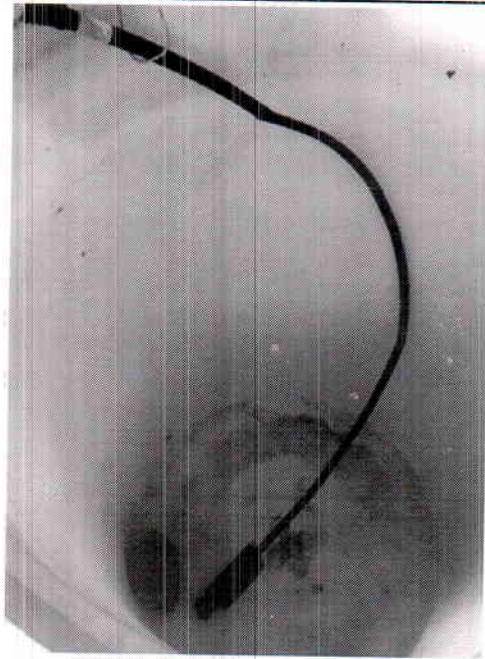
Test Photo



connector photo



Gel Seal Closure Photo



After 24 hours under 1 meter water