FUEL DISPENSER HOSE TEST REPOR

Product	Fuel dispenser hose		Size:	3/4”	
Date:	2018.7.25		Standard:	HG/3037-2008	
No.:	Projects:	Technical Method:	Standard	Measured value	Test result
1	Tensile strength of inner rubber and outer rubber (min)	GB/T528	9Mpa	11.2 Mpa	Conformity
	Elongation of elongation for inner rubber and outer rubber (min)		250%	280%	Conformity
2	Accelerated aging	ISO188(Air oven) under (70±1)℃ 14d	20%	16%	Conformity
	Tensile strength of inner rubber and outer rubber (max)				
	Elongation of elongation for inner rubber and outer rubber (max)		-35%	-22%	Conformity
3	Liquid resistance	70h under 40℃ 3 type fuel oxidation; 70h under 100 ℃ IRM903 oil.	70%	53.2%	Conformity
	Swelling rate of inner rubber (max)		25%	15.6%	
4	Solvent extract of inner rubber, Room temperature level (max)	70h under 40℃ 3 type fuel oxidation and 24h under 100℃ dry	10%	4.2%	Conformity
5	Swelling rate of outer rubber (max)	70h under 23℃ B liquid soak.	100%	23.2%	Conformity
6	Low temperature resistance under -30℃ of inner and outer rubber	GB/T528	No creak under 10times magnification	No creak	Conformity
7	Ozone resistance of outer rubber	168h under HG/T2869(50±5) mPa concentration, 40±2℃, relative humidity (55± 10)%, stretch 20%	No creak under 2 times magnification	No creak	Conformity
8	Test pressure (2.4 Mpa)	GB/T5563 W.P pressure testing	No leakage or other defects	No leakage	Conformity
9	Break pressure (min)	GB/T5563 B.P pressure testing	4.8Mpa	12Mpa	Conformity
10	length varying - ratio under test pressure:	GB/T5563	0-5%	1.1%	Conformity

11	Ply bond strength	Inject the B liquid into the hose for sealing, after 168h under (23 ±5) ℃, empty liquid for test			Conformity
	initial value (min)		2.4KN/m	unpeelable	
	Soak value (min)		1.8KN/m	3.2 KN/m	
12	Conductivity (max) M class	GB/T9572	$1*10^2\Omega$	$1*10^1\Omega$	Conformity
13	Low temperature bending test	GB/T9572	No crack or fracture	No crack or fracture	Conformity
14	Volume expansion rate (max):	Under 0.3MPa no larger than 1%	Under 0.3MPa no larger than 1%	0.2%	Conformity
15	UV-Resistance	BG/T16422.3	No crack	No crack	Conformity
Comprehensive judgment:	Conform to HG/T3037-2008 requirements， test result to be qualified.				

Assessor: Yonghua Yan Inspector: Weiwu Yang

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