HESKINS

ANTI-SLIP SOLUTIONS

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Heskins GATE_RW data sheet

Daytime Color (x,y,Y)
GATE_RW series meets the applicable daytime color requirements for FMVSS 108, DOT C-2, and ASTM D4956:2013. The four pairs of retroreflection shall be determined in accordance with ASTM E810, and per ASTM E810 the values of all rotation are determined the Ra.

Color	1		2		3		4		Daytime luminance limit (Y)	
	X	Y	X	Y	X	Y	X	Y	Min	Max
White	0.303	0.300	0.368	0.366	0.340	0.393	0.274	0.329	27	
Red	0.648	0.351	0.735	0.265	0.629	0.281	0.565	0.346	2.5	15

Retroreflective performance
The values below are minimum coefficients of retroreflection expressed in candelas per lux per squaremeter (cd/lux/m²)

Item	Observation angles	Entrance angles	R
White	0.2”	-4 30 40	250 250 60
White	0.5”	-4 30 40	65 65 15
Red	0.2”	-4 30 40	60 60 15
Red	0.5”	-4 30 40	10 10 4

The following technical information should be considered typical only and should not be used for specification purposes.

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Property	FMVSS 108 Requirement	GATE_RW tape
Thickness	NA	Sealing Type – 405~445um
Gloss ASTM D523 85°	NA	100
Dimensional stability ASTM D4956	Less than 1/8" change on 9x9" panel	Pass
Flexibility Wrap around0.125" mandrel 32°F(0°C)	NO Cracking	Pass
Min. Application temperature	NA	60°F(15°C)
High pressure wash test 45° angle, 1200psi, 3" distance	NA	Pass
Adhesion 90° hanging weight ASTM D4956	Less than 2" movement	Pass
Peel adhesion 12inch/minute, 130° peel angle	NA	Degreased aluminum: 0.94kg/cm
Chemical resistance	NA	Not effected by toluene, #2 diesel fuel, TSP detergent, xylene
Corrosion resistance ASTM B-117 5% Salt spray for 1000 hours	NA	No effect
Impact resistance Room temperature 100in-lb, 5/8 inch tip	No damage outside impact	Pass
Impact resistance Cold temperature 60in-lb, 5/8 inch tip at -20°C	No damage outside impact	Pass

LRV Test Results

SKU (Color)	RAL	Pantone	Av. LRV	Range
GATE_RW (Red)				
GATE_RW (Silver)				

All the above data is for reference only.

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