

ECO-LITE Reflective Sheeting

5100 series: Engineering Grade PET Type

Feature: Untearable, easy operation, can be screen printed by PET type ink

Application: Road traffic signs, industrial safety signs

Service life: 5 years

Specification: 1.24m x 45.7m

Available colour: white, yellow, red, green, blue, brown

Other technical data:

1. Surface Film: PET Type
2. Thickness of film: 0.115mm, Thickness of Glue:0.03mm
Thickness of Release Paper: 0.18mm, total thickness of products: 0.325mm
3. Weight of Release Paper: 160g/sqm
4. Type of Adhesive: Pressure-Sensitive Type
5. Strength of Adhesive: at the condition of 0.8kg, 5min, total length: 10cm, the falling
Length ≤ 2cm
6. Operation temperature: 5 °C----30 °C
7. Working temperature: -20°C --- 60°C
8. Weight per sqm: 435g
9. Color chromaticity:

Standard light source : D65 Observation condition: 45/0 Observation angle: 2 degree°

Color	Color Chromaticity								Luminance Factor
	X	Y	X	Y	X	Y	X	Y	
White	0.350	0.360	0.300	0.310	0.285	0.325	0.355	0.375	≥0.27
Yellow	0.545	0.454	0.464	0.534	0.427	0.483	0.487	0.423	0.16---0.40
Red	0.690	0.310	0.658	0.342	0.569	0.341	0.595	0.315	0.03---0.10
Green	0.007	0.703	0.026	0.399	0.177	0.362	0.248	0.409	0.03---0.10
Blue	0.078	0.170	0.137	0.038	0.210	0.160	0.150	0.220	0.01---0.10

10. Coefficient of retro-reflection

Observation Angle	Entrance Angle	White	Yellow	Red	Green	Blue
0.2	-4	70	50	14	9.0	4.0
	15	55	35	11	7.0	3.0
	30	30	22	6.0	3.5	1.5
0.33	-4	50	35	10	7.0	3.0
	15	45	20	8.0	5.0	2.0
	30	24	15	4.0	2.5	1.0

1	-4	5.0	3.0	2.0	1.0	0.6
	15	3.0	2.0	1.0	0.8	0.3
	30	2.0	1.5	0.6	0.4	0.2