

EMBLEM Plastic Grommets

Resistance to chemicals and UV

TEST DESCRIPTION	STANDARD	RESULTS		
CORROSION IN AMBIENCE OF SALINE NEUTRAL FOG	ASTM B-117:85	NO CHANGES IN THE SAMPLES		
EXPOSURE TO SUN LIGHT (XENON TEST)	UNE EN ISO 4892-2:2000 250 HOURS (+/- 3,5 YEARS)	NO CHANGE IN COLOUR		
FASTNESS TO ACIDS	UNEEN ISO-105 E05/98	TARTARIC ACID 5	ACETIC ACID 5	SULFURIC ACID 5
FASTNESS TO CHLORINATED WATER (SWIMMING-POOL WATER)	UNE-EN ISO 105-E03:1997	5		
FASTNESS TO SALFUMAN	AITEK TEST	5		
FASTNESS TO ALCOHOL	AITEK TEST	5		
FASTNESS TO CITRUS	AITEK TEST	5		
FASTNESS TO DRY CLEANING	UNE-EN ISO 105-D01:1996	CHANGE IN COLOUR 5	STAINING IN THE SOLVENT 5	
FASTNESS TO BLEACHING: HYPOCHLORITE	UNEEN ISO 20105-N01:1996	5		
DETERMINATION OF pH VALUE	EN 3071:2006	7.39		
FASTNESS TO ALKALIS (SODIUM CARBONATE)	UNEEN ISO-105 E06/1989	5		
FASTNESS TO PHOSPORIC ACID	AITEK TEST	5		
CLIMATIC AGING (Samples were subjected to accelerated aging process during 48 hours to -40 °C.)	AITEK TEST	LOOSE EYELETS No changes, it is possible to set them on fabric.	EYELETS SET No changes	EYELETS SET ON FABRIC No changes

RAW MATERIAL

UL FLAMMABILITY CLASSIFICATION

DEFLECTION TEMPERATURE @ 0.455 Mpa (4,6 kgf/cm²)

DEFLECTION TEMPERATURE @ 1.82 Mpa (18,55 kgf/cm²)

THERMOPLASTIC POLYMER

94 - V-2

73 °C

65 °C

MEANING OF FASTNESS APPRAISAL EVALUATED WITH ESCALE OF GREYS

CHANGE IN COLOUR: 5 GOOD BEHAVIOUR
4-3 FAIR BEHAVIOUR
2-1 POOR BEHAVIOUR

STAINING: 5 VERY GOOD-EXCELLENT
4 GOOD
3 FAIR
2 POOR
1 VERY POOR

CLEAR EYELETS

- Crystal clear, they simply disappear on the banners.
- Easy to use.
- Do not rust, perfect for outdoors.
- UV protection.
- Environmentally friendly, perfect for green printers using Latex inks and non-harmful medias.
- Can be recycled with PP and HDPE medias.
- PVC free.
- Free of heavy metals (lead, cadmium and mercury).
- Food grade (FDA and EU).

