

P4-12301

Properties

Thermal transfer printable retro-reflective film with permanent acrylic adhesive on a clay-coated paper liner. Material is designed for long range bar code scanning distance of long range scanners. Applications: Warehouse bin labeling and shelf marking, Indoor use only as outdoor use has not been evaluated. The rate at which the scanning distance decreases due to facestock discoloration when used outdoors is not known.

Special Considerations

Thermal transfer printable retro-reflective film is designed for use with long range scanners available from Symbol Technologies, PSC, Hand Held Products. The maximum and minimum scanning distance of these scanners will increase with the use of this material. The range at which a bar code can be scanned is dependent on the bar code width; i.e. a 75 mil bar code will scan at a longer distance than a 50 mil bar code. Scanners not designed for long range scanning may not be able to scan bar codes printed on this product – specific bar code verifiers and scanning device recommendations can be obtained from the wide choice of suppliers selling in the marketplace.

Table 1. Face stock technical data

Not for specification purposes

Face Stock Technical Data	
Material	Polyester PET
Caliper	123 µm
Adhesive	High Performance Acrylic

Table 2. Adhesive technical data

Not for specification purposes

Adhesive Technical Data	
Not recommended for low surface energy substrates	
Minimal Application Temperature	10°C
Service Temperature	-40°C to +177°C

Table 3. Ribbon technical data

Not for specification purposes

Ribbon technical data	
Type	Resin
Color	Black
Film thickness	4,5 µm
Total ribbon thickness	6,2 µm
Recommended maximum print speed	150 mm/s

Shelf Life

24 months from date of manufacture of product when properly stored at 22°C and 50% relative humidity.

Special Considerations

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.

Note

Information presented have been determined by standard test methods and are values not to be used for specification purposes. Our recommendations on the use of our products are based on tests but we would ask for conducting your own tests to determine their suitability for your applications. Citizen cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

P4-12300 series

Application ideas

SHELF PACK
marking of storage shelves and racks; special Retro Reflective labels are used, which can be scanned from longer distance

Examples

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