

Technical Data Sheet

Single Diamond Embossed Protective Release Film



Version 3

01/01/23

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R-6

1. General information:

- These films are made of specially-formulated polyolefin compounds using our high tech co-extrusion and single diamond embossing process.
- R-6 Single Diamond Embossed Protective Release Film is to be used for cold calendaring process (up to 40° C/104°F), for use with inner liners, sidewalls, cheffers, gum strip applications, cord calendar, and other sticky materials.
- R-6 does not contain any silicon based polymers additives.
- The product is produced from virgin resins.
- The product is completely recyclable.

2. Characteristics:

2.1 General Characteristics

2.1.1 Composition:

- Polyolefin based resin compound.
- The film is manufactured using the mono- and co-extrusion processes.

2.1.2 Specification:

- Thickness: From 2 mil up to 8 mil, as per customer requirements
- Width: From 12 in. up to 88 in., as per customer requirements,
- Release properties: Can be adjusted upward or downward and can be custom-designed for “high-release” or “low-release” applications, as per customer request;
- Color: Natural, Blue, Red, Green, Orange, Yellow, White, Purple, Translucent, and Photo-opaque, as per customer request

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2.2 Mechanical properties

Acetone Extract, (% max.)	1.5	
Copper (Cu), (ppm max.)	20	
Manganese (Mn), (ppm max.)	10	
Tensile strength (psi)	Machine Direction (MD)	Transverse Direction (TD)
D 882 (1979)	2611	2321
Elongation at break (% min.)	MD	TD
D 882 (1979)	250	250
Dart Impact (gr.)	125	
ASTM D 1709		
Temp. Resistance (°C/°F)	60.0/140.0	

3. Packaging:

Depending upon roll width and length, rolls may be stacked either horizontally or vertically. Rolls are fastened onto a wooden pallet with steel strapping, wrapped with bubble film, covered with a transparent polyethylene cover, and wrapped with stretch film (for maximum mechanical protection).

4. Shipment/Lot Tracking:

Each pallet shipped is given a number directly corresponding to the lot code. COA's (Certificates of Analysis) are provided with each shipment. Plasto-Sac retains samples from each lot produced.

5. Storage:

To be stored in-house, protected against direct sun radiation.