

1. General information:

- These films are made of specially-formulated polyolefin compounds using our high tech co-extrusion process.
- R-1 Smooth 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-1 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 co-extrusion process, which enables storing release properties.

2.1.2 Specification:

- Thickness: From 1.75 mil up to 10.0 mil, as per customer requirements;
- Width: From 4 in. up to 106 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.

Technical Data Sheet
Smooth
Protective Release Film
R-1



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)	3336	2901
Elongation at break, (%)	MD	TD
D 882 (1979)	250	200
Dart Impact, (gr.)	125	
ASTM D 1709		

3. Re-usable Applications:

For re-usable applications, 8 mil – 10 mil. Film can be suitable for 8-12 months' use.

4. 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).

5. 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.

6. Storage:

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