The LTR4600 series is a screen printable polymer resistor system designed for printing and curing on both untreated and treated flexible plastic films. The LTR4600 series provides stable resistance values when cured at low temperatures. The LTR4600 series is compatible with Heraeus low temperature dielectrics and conductors.

**Typical Properties**

<table>
<thead>
<tr>
<th>LTR4600 Series*</th>
<th>LTR4611</th>
<th>LTR4612</th>
<th>LTR4615</th>
<th>LTR4621</th>
<th>LTR4631</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistivity (Ωsq/mil)</td>
<td>10</td>
<td>20</td>
<td>50</td>
<td>100</td>
<td>1k</td>
</tr>
<tr>
<td>Viscosity (kcps)</td>
<td>60-130</td>
<td>60-130</td>
<td>60-130</td>
<td>60-130</td>
<td>60-130</td>
</tr>
</tbody>
</table>

*Processing conditions
a) Cured at peak temperature of 120°C for 10 minutes
b) Resistor size 1 square pattern printed with 280 mesh screen to cured film thickness of 8-10 µm on PET film.

**Recommended Processing Guidelines**

**Printing Conditions:**
250 – 325 stainless steel mesh or nylon screen, 0.3-0.5 mil mil emulsion thickness

**Termination Conductor:**
LTC3602

**Curing:**
120°C for 10 minutes

**Thickness Information (µm):**
Cured film: 8-10 µm

**Adhesion:**
Cross Hatch Tape Test Method
PET ≥ 4B cross hatch

**Recommended Substrates:**
Treated and untreated polyester

**Thinner:**
CL84-11053

**Cleaning:**
Clean uncured resin with Acetone or similar solvent.
Warranty:
Material guaranteed to meet specifications for 6 months from date of shipment.

Handling & Precautions:
Use in a well-ventilated area.
Avoid contact with skin.
Wash with soap and water.

Storage:
Store in a dry location at 5 – 25 °C.
DO NOT REFRIGERATE.
Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

Legend:
1) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)

2) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)