

Technical Data Sheet

LED-001

LED Curable Gloss Coating



Product Description

LED-001 is recommended for use as an LED curable gloss coating to be applied in-line over energy curable ink systems. Typical applications include offset and flexo printing on paper and select non-porous substrates where high gloss and minimal gloss-back are desired. For additional information regarding assistance and applications, please contact your KUSTOM SERVICES, INC. representative.

Performance Characteristics

- High gloss and good clarity
- Excellent cure response; use of a 16W LED bulb required
- Excellent scuff and rub resistance
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Viscosity 21 - 24 sec. #3 Zahn
- Specific Gravity 1.11
- Solids > 99%

End Use Considerations

LED-001 should be evaluated in the laboratory using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, energy curable coatings may not exhibit complete intercoat adhesion over some ink systems. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Material Safety Data Sheet (MSDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the MSDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of KUSTOM SERVICES, INC., and users should make their own tests to determine the suitability of this product for their own particular purposes. However, because of numerous factors affecting results, KUSTOM SERVICES, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for particular purpose, other than that the material conforms to its applicable current Standard Specifications. Standard Specifications, although current at the time of publication, are subject to change without notice. Please refer to the MSDS for additional information. DATE REVISED: 10/25/2013