

# MA6330C

## Technical Data Sheet

### A. Identification

- Product description: Silicone di-acrylate based surface additive and pre-polymer  
Used as an additive for UV or E-beam curable printing inks, coatings and adhesives with a considerable reduction in surface tension and remarkable tape release property  
Used as a pre-polymer to be co-reacted into acrylic polymers for coatings, plastic, resin and other applications to improve the surface and physical properties like release characteristics, mar resistance, flexibility and hydrophobicity.
- Product code: MA6330C

### B. Product Data

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

- Appearance: Clear to light yellow liquid
- Active constituent: 100%
- Specific gravity (25 °C): 0.96
- Viscosity (25 °C, cps): 10-60
- Molecular weight (Mw): 4,300-5,300
- Functional group: 2
- Refractive index: 1.418

### C. Product Highlights

- Non-migratory property via its acrylic functionality.
- Strong COF reduction and substrate wetting.
- Increased surface slip and tape release at low dosage.
- Tape-release characteristics

## **D. Recommended Use & Levels**

- 0.1-1.5% as an additive (as supplied) based upon total formulation for UV curing systems.
- 2.0-10.0% as a pre-polymer for polymer modifications and release-liners

## **E. Packing**

- 10Kg pails, 180Kg plastic lined steel drums or other specified package.

## **F. Storage & Handling**

- The recommended storage temperature is between 4 °C to 40°C.
- Product should be stored in a cool, dry place, away from direct sunlight.
- The containers should be kept sealed and away from oxidizing agents, acids, alkalis.