

## LL9470U / LL9470UP

Linear Low Density Polyethylene Resin

**Special Characteristics:** InnoPlus LL9470U and LL9470UP are butene co-monomer based linear low density polyethylene which are designed for rotational molding applications. These are UV8 stabilized rotational molding grades with excellent flow ability.

**InnoPlus LL9470UP is a powder form of InnoPlus LL9470U**

**Typical Applications:** InnoPlus LL9470U and LL9470UP can be used to produce a general molding in mild using condition and recommended for complex mold and required high quality product surface.

**Typical Properties:**

| Properties                                            | LL9470U / LL9470UP | Unit               | Test Method |
|-------------------------------------------------------|--------------------|--------------------|-------------|
| <b>Physical Properties</b>                            |                    |                    |             |
| Melt Flow Rate (190 °C, 2.16 kg)                      | 7.0                | g/10 min           | ASTM D1238  |
| Density                                               | 0.934              | g/ cm <sup>3</sup> | ASTM D792   |
| Brittleness Temperature                               | <-70               | °C                 | ASTM D746   |
| Vicat Softening Point                                 | 111                | °C                 | ASTM D1525  |
| Heat Distortion Temperature at 0.455 MPa              | 54                 | °C                 | ASTM D648   |
| <b>Mechanical Properties (Compression specimens)*</b> |                    |                    |             |
| Tensile Strength at Yield                             | 18                 | MPa                | ASTM D638   |
| Tensile Strength at Break                             | 16                 | MPa                | ASTM D638   |
| Elongation at Break                                   | 700                | %                  | ASTM D638   |
| Flexural modulus                                      | 600                | MPa                | ASTM D790   |
| Durometer Hardness                                    | 56                 | Shore D            | ASTM D2240  |
| Arm Impact Strength at -40°C (3 mm Rotomolded sample) | 54                 | J                  | ARM Method  |

### Recommendation:

The recommended oven temperature is in the range of 260 – 290 °C

### FDA Statement:

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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**Note :** Properties reported here are typical values of the product, not to be considered as specifications.

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