

**BASF Ultramid® B40 LN PA6**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

**Material Notes:**

Description: Ultramid® B40 LN is a polyamide 6 grade of high viscosity that is well suited for the production of blown and cast film. Clarity and thermoformability are enhanced by the incorporation of nucleating and slip agent. Product supplied in 2-2.5 mm round pellets. Information provided by BASF

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Ultramid-B40-LN-PA6.php](http://www.lookpolymers.com/polymer_BASF-Ultramid-B40-LN-PA6.php)

| Physical Properties                | Metric             | English                | Comments                                            |
|------------------------------------|--------------------|------------------------|-----------------------------------------------------|
| Bulk Density                       | 0.640 - 0.740 g/cc | 0.0231 - 0.0267 lb/in³ |                                                     |
| Density                            | 1.12 - 1.15 g/cc   | 0.0405 - 0.0415 lb/in³ | ISO 1183                                            |
| Water Absorption                   | 9.5 %              | 9.5 %                  | Saturation in water 23°C                            |
| Moisture Absorption at Equilibrium | 2.6 %              | 2.6 %                  | 23°C/50% RH                                         |
| Viscosity Measurement              | 3.89 - 4.17        | 3.89 - 4.17            | (RV) 1% [m/v] in 96% [m/m] sulfuric acid; ISO 307   |
|                                    | 240 - 260          | 240 - 260              | (RV) 0.5% [m/v] in 96% [m/m] sulfuric acid; ISO 307 |

| Thermal Properties        | Metric    | English   | Comments |
|---------------------------|-----------|-----------|----------|
| Melting Point             | 220 °C    | 428 °F    | ISO 3146 |
| Decomposition Temperature | >= 300 °C | >= 572 °F |          |

| Processing Properties | Metric     | English    | Comments  |
|-----------------------|------------|------------|-----------|
| Moisture Content      | <= 0.060 % | <= 0.060 % | ISO 15512 |

| Descriptive Properties | Value           | Comments   |
|------------------------|-----------------|------------|
| Commercial Status      | Europe          |            |
| Extractables           | <0.6 %          | ISO 6427   |
| Film Grade             | 1-3             | BASF       |
| Ignition Temperature   | >400°C          | ASTM D1929 |
| Lubricant              | 250 - 550 mg/kg | BASF       |
| Nucleating Agent       | 250 - 550 mg/kg | BASF       |

## Contact Songhan Plastic Technology Co.,Ltd.

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