

## Carmel Olefins CAPILENE® U 77 A Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Description: CAPILENE® U 77 A is a high melt flow rate homopolymer for injection molding of products with long flow length. It is specially formulated with antistatic and nucleating additives, allowing fast cycle due to high de-molding temperature and reduced cooling time. It exhibits high stiffness combined with high flowability and good contact clarity. Applications: CAPILENE® U 77 A is designed for multi-cavity injection molding, thin walled packaging items, products with long flow length, household articles and toys. In comparison to CAPILENE® U 77 AV it offers a better choice for food packaging containers. Information provided by Carmel Olefins.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Carmel-Olefins-CAPILENE-U-77-A-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-U-77-A-Polypropylene-Homopolymer.php)

| Physical Properties | Metric  | English   | Comments   |
|---------------------|---|---|------------|
| Melt Flow           | 35 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 35 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ASTM D1238 |

| Mechanical Properties   | Metric     | English        | Comments             |
|-------------------------|------------|----------------|----------------------|
| Tensile Strength, Yield | 36.0 MPa   | 5220 psi       | 50 mm/min; ASTM D638 |
| Elongation at Yield     | 11 %       | 11 %           | 50 mm/min; ASTM D638 |
| Flexural Modulus        | 1.80 GPa   | 261 ksi        | ASTM D790            |
| Izod Impact, Notched    | 0.250 J/cm | 0.468 ft-lb/in | ASTM D256            |

| Thermal Properties                          | Metric                  | English                 | Comments   |
|---|-------------------------|-------------------------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 110 °C                  | 230 °F                  | ASTM D648  |
| Vicat Softening Point                       | 155 °C<br>@Load 1.02 kg | 311 °F<br>@Load 2.25 lb | ASTM D1525 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China