

## Dow H110-02NZ Polypropylene Homopolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade , Polypropylene, Sheet/Thermoforming Grade

### Material Notes:

Overview Contains a nucleating agent Good melt strength Complies with U.S. FDA 21 CFR 177.1520 (c)3.2a DOW H110-02NZ Polypropylene Resin is intended for use in extrusion and thermoforming processes in opaque applications. Dow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-H110-02NZ-Polypropylene-Homopolymer-Resin.php](http://www.lookpolymers.com/polymer_Dow-H110-02NZ-Polypropylene-Homopolymer-Resin.php)

| Physical Properties    | Metric                               | English                              | Comments   |
|------------------------|--------------------------------------|--------------------------------------|------------|
| Density                | 0.900 g/cc                           | 0.0325 lb/in <sup>3</sup>            | ASTM D792  |
| Melt Index of Compound | 2.0 g/10 min                         | 2.0 g/10 min                         | ASTM D1238 |
|                        | @Load 2.16 kg,<br>Temperature 230 °C | @Load 4.76 lb,<br>Temperature 446 °F |            |

| Mechanical Properties       | Metric                | English              | Comments   |
|-----------------------------|-----------------------|----------------------|------------|
| Tensile Strength, Yield     | 35.2 MPa              | 5110 psi             | ASTM D638  |
| Elongation at Yield         | 9.0 %                 | 9.0 %                | ASTM D638  |
| Flexural Modulus, 1% Secant | 1590 MPa              | 231000 psi           | ASTM D790  |
| Izod Impact, Notched        | 0.320 J/cm            | 0.599 ft-lb/in       | ASTM D256A |
|                             | @Temperature 0.000 °C | @Temperature 32.0 °F |            |
|                             | 0.507 J/cm            | 0.950 ft-lb/in       | ASTM D256A |
|                             | @Temperature 23.0 °C  | @Temperature 73.4 °F |            |

| Thermal Properties                          | Metric | English | Comments              |
|---------------------------------------------|--------|---------|-----------------------|
| Melting Point                               | 161 °C | 322 °F  | DSC; Dow Method       |
| Deflection Temperature at 0.46 MPa (66 psi) | 103 °C | 217 °F  | Unannealed; ASTM D648 |

| Optical Properties | Metric | English | Comments   |
|--------------------|--------|---------|------------|
| Haze               | 14 %   | 14 %    | ASTM D1003 |

## 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**