

## Loxim 810 01 HB Polypropylene Compound, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

### Material Notes:

Information provided by Loxim Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Loxim-810-01-HB-Polypropylene-Compound-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Loxim-810-01-HB-Polypropylene-Compound-Flame-Retardant.php)

| Physical Properties   | Metric               | English              | Comments   |
|-----------------------|----------------------|----------------------|------------|
| Specific Gravity      | 0.920 - 1.02 g/cc    | 0.920 - 1.02 g/cc    | ASTM D792  |
| Filler Content        | 10 %                 | 10 %                 |            |
| Linear Mold Shrinkage | 0.0090 - 0.011 cm/cm | 0.0090 - 0.011 in/in | ASTM D1299 |

| Mechanical Properties     | Metric             | English                | Comments  |
|---------------------------|--------------------|------------------------|-----------|
| Tensile Strength at Break | 37.0 - 39.0 MPa    | 5370 - 5660 psi        | ASTM D683 |
| Elongation at Break       | 14 - 16 %          | 14 - 16 %              | ASTM D638 |
| Flexural Modulus          | 2.00 - 2.50 GPa    | 290 - 363 ksi          | ASTM D790 |
| Izod Impact, Notched      | 0.400 - 0.500 J/cm | 0.749 - 0.937 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric                   | English                    | Comments                 |
|---------------------------------------------|--------------------------|----------------------------|--------------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 100 - 110 Â°C            | 212 - 230 Â°F              | ASTM D1525, HDT Method B |
| Flammability, UL94                          | HB<br>@Thickness 1.60 mm | HB<br>@Thickness 0.0630 in |                          |

## Contact Songhan Plastic Technology Co.,Ltd.

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