

## Addiplast Addinyl B2H G30 Flame Retardant Nylon 6, 30% Glass Bead

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled , Nylon 6 , Glass Fiber Filled, Flame Retardant

### Material Notes:

Flame retardant, 30% glass bead filled, with halogens Information provided by Addiplast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addiplast-Addinyl-B2H-G30-Flame-Retardant-Nylon-6-30-Glass-Bead.php](http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2H-G30-Flame-Retardant-Nylon-6-30-Glass-Bead.php)

| Physical Properties | Metric    | English                   | Comments   |
|---------------------|-----------|---------------------------|------------|
| Density             | 1.62 g/cc | 0.0585 lb/in <sup>3</sup> | ISO 1183/A |

| Mechanical Properties      | Metric                  | English                     | Comments                 |
|----------------------------|-------------------------|-----------------------------|--------------------------|
| Hardness, Shore D          | 89                      | 89                          | Conditioned; ISO 868     |
|                            | 90                      | 90                          | ISO 868                  |
| Tensile Strength at Break  | 30.0 MPa                | 4350 psi                    | Conditioned; ISO R 527   |
|                            | 55.0 MPa                | 7980 psi                    | ISO R 527                |
| Elongation at Break        | 3.0 %                   | 3.0 %                       | ISO R 527                |
|                            | 7.0 %                   | 7.0 %                       | Conditioned; ISO R 527   |
| Modulus of Elasticity      | 2.40 GPa                | 348 ksi                     | Conditioned; ISO 178     |
|                            | 4.80 GPa                | 696 ksi                     | ISO 178                  |
| Izod Impact, Notched (ISO) | 2.50 kJ/m <sup>2</sup>  | 1.19 ft-lb/in <sup>2</sup>  | Conditioned; ISO 180/1A  |
|                            | 3.00 kJ/m <sup>2</sup>  | 1.43 ft-lb/in <sup>2</sup>  | ISO 180/1A               |
| Charpy Impact Unnotched    | 1.50 J/cm <sup>2</sup>  | 7.14 ft-lb/in <sup>2</sup>  | ISO 179/leU              |
|                            | 2.20 J/cm <sup>2</sup>  | 10.5 ft-lb/in <sup>2</sup>  | Conditioned; ISO 179/leU |
| Charpy Impact, Notched     | 0.200 J/cm <sup>2</sup> | 0.952 ft-lb/in <sup>2</sup> | ISO 179/leA              |
|                            | 0.200 J/cm <sup>2</sup> | 0.952 ft-lb/in <sup>2</sup> | Conditioned; ISO 179/leA |

| Thermal Properties                          | Metric             | English              | Comments    |
|---|--------------------|----------------------|-------------|
| Melting Point                               | 220 °C             | 428 °F               | ISO 3146/C2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 107 °C             | 225 °F               | ISO 75-2/AF |
| Flammability, UL94                          | V-0                | V-0                  |             |
|   | @Thickness 1.60 mm | @Thickness 0.0630 in |             |

| Thermal Properties | Metric | English | Comments      |
|--------------------|--------|---------|---------------|
| Glow Wire Test     | 960 °C | 1760 °F | CEI 60695/2/1 |

| Electrical Properties      | Metric | English | Comments             |
|----------------------------|--------|---------|----------------------|
| Comparative Tracking Index | 275 V  | 275 V   | CEI 60112/Solution A |

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