

## Adell DR-18 40% Glass Reinforced Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 40% Glass Filled

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-DR-18-40-Glass-Reinforced-Polycarbonate.php](http://www.lookpolymers.com/polymer_Adell-DR-18-40-Glass-Reinforced-Polycarbonate.php)

| Physical Properties   | Metric       | English      | Comments                   |
|-----------------------|--------------|--------------|----------------------------|
| Specific Gravity      | 1.52 g/cc    | 1.52 g/cc    | ASTM D792                  |
| Water Absorption      | 0.15 %       | 0.15 %       | 24 hr immersion; ASTM D570 |
| Linear Mold Shrinkage | 0.0015 cm/cm | 0.0015 in/in | ASTM D955                  |

| Mechanical Properties      | Metric                          | English                              | Comments  |
|----------------------------|---------------------------------|--------------------------------------|-----------|
| Hardness, Rockwell M       | 95                              | 95                                   | ASTM D785 |
| Tensile Strength, Ultimate | 165 MPa                         | 23900 psi                            | ASTM D638 |
| Elongation at Break        | 3.0 %                           | 3.0 %                                | ASTM D638 |
| Flexural Strength          | 214 MPa                         | 31000 psi                            | ASTM D790 |
| Flexural Modulus           | 10.0 GPa                        | 1450 ksi                             | ASTM D790 |
| Izod Impact, Notched       | 1.60 J/cm<br>@Thickness 3.17 mm | 3.00 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 152 °C | 305 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 149 °C | 300 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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