

**Technical Data Sheet**

***Diamond* PC-1418UR WH1338WHI**



Polycarbonate

**Product Description**

Injection Grade Polycarbonate High Flow - Clear and Colors Available Add "R" for Added Release Add "U" for UV Stabilizer

**Processing Method**            Injection Molding  
**Attribute**                        High Flow  
**Appearance**                    Clear/Transparent; Colors Available

| <b>Typical Properties</b>                              | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|--|----------------------|-------------------|--------------------|
| <b>Physical</b>  |                      |                   |                    |
| Melt Flow Rate   | 18                   | g/10 min          | ASTM D1238         |
| Density - Specific Gravity                             | 1.21                 | g/cm <sup>3</sup> | ASTM D792          |
| <b>Mechanical</b>                                      |                      |                   |                    |
| Tensile Strength at Yield                              | 62.1                 | MPa               | ASTM D638          |
| Flexural Modulus                                       | 2280                 | MPa               | ASTM D790          |
| Tensile Elongation at Break                            | >130                 | %                 | ASTM D638          |
| Flexural Strength                                      | 98.6                 | MPa               | ASTM D790          |
| <b>Impact</b>  |                      |                   |                    |
| Notched Izod Impact, (23 °C, 3.18 mm)                  | 640                  | J/m               | ASTM D256          |
| <b>Thermal</b>   |                      |                   |                    |
| Deflection Temperature Under Load Unannealed (264 psi) | 132                  | °C                | ASTM D648          |