

## Technical Data Sheet

### *Diamond* PC-1410FDR BKBLK SF



Polycarbonate

#### Product Description

Injection/Extrusion Grade Polycarbonate Medium Flow - Clear and Colors Available Add "R" for Added Release FDA Compliant

#### Regulatory Status

For regulatory compliance information, see PC-1410FDR BKBLK SF [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                     |
|--------------------------|-------------------------------------|
| <b>Status</b>            | Commercial: Active                  |
| <b>Availability</b>      | North America                       |
| <b>Processing Method</b> | Extrusion; Injection Molding        |
| <b>Attribute</b>         | Medium Flow                         |
| <b>Appearance</b>        | Clear/Transparent; Colors Available |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate                                         | 10            | 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)                  | 750           | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 132           | °C                | ASTM D648   |

## Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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