



## Geon™ Vinyl Flexible B70CA

### Flexible Polyvinyl Chloride

#### Key Characteristics

| Product Description   |                                          |                             |                 |
|-----------------------|------------------------------------------|-----------------------------|-----------------|
| Improved adhesion.    |                                          |                             |                 |
| General               |                                          |                             |                 |
| Material Status       | • Commercial: Active                     |                             |                 |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features              | • High Gloss                             |                             |                 |
| Uses                  | • Seals                                  | • Weatherstripping          |                 |
| Forms                 | • Pellets                                |                             |                 |
| Processing Method     | • Extrusion                              | • Injection Molding         |                 |

#### Technical Properties <sup>1</sup>

| Physical                                    | Typical Value (English) | Typical Value (SI) | Test Method |
|---------------------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity                  | 1.22                    | 1.22               | ASTM D792   |
| Molding Shrinkage - Flow                    | 0.015 to 0.019 in/in    | 1.5 to 1.9 %       | ASTM D955   |
| Mechanical                                  | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength <sup>2</sup> (100% Strain) | 530 psi                 | 3.65 MPa           | ASTM D638   |
| Tensile Strength <sup>2</sup> (Break)       | 1700 psi                | 11.7 MPa           | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)     | 450 %                   | 450 %              | ASTM D638   |
| Elastomers                                  | Typical Value (English) | Typical Value (SI) | Test Method |
| Compression Set (73°F (23°C), 22 hr)        | 18 %                    | 18 %               | ASTM D395   |
| Hardness                                    | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness                          |                         |                    | ASTM D2240  |
| Shore A                                     | 70                      | 70                 |             |
| Shore A, 15 sec                             | 62                      | 62                 |             |

#### Processing Information

| Injection              | Typical Value (English) | Typical Value (SI) |
|------------------------|-------------------------|--------------------|
| Processing (Melt) Temp | 370 to 400 °F           | 188 to 204 °C      |
| Extrusion              | Typical Value (English) | Typical Value (SI) |
| Melt Temperature       | 355 to 360 °F           | 179 to 182 °C      |

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 20 in/min (510 mm/min)