

## Telene® 1650 A/BK

### Polydicyclopentadiene (pDCPD)

| Property                                         | Value                       | Unit              | Test Standard                 |
|--------------------------------------------------|-----------------------------|-------------------|-------------------------------|
| <b>Physical Properties</b>                       |                             |                   |                               |
| Specific Gravity                                 | <b>1.03</b>                 | n.a               | ISO 1183                      |
| Tensile Modulus                                  | <b>1870</b>                 | MPa               | ISO 527                       |
| Tensile Strength @ Yield                         | <b>43</b>                   | MPa               | ISO 527                       |
| Elongation @ Yield                               | <b>5</b>                    | %                 | ISO 527                       |
| Flexural Strength                                | <b>67</b>                   | MPa               | ISO 178                       |
| Flexural Modulus                                 | <b>1850</b>                 | MPa               | ISO 178                       |
| Compressive Strength                             | <b>70</b>                   | MPa               | ISO 604                       |
| Compressive Modulus                              | <b>1900</b>                 | MPa               | ISO 604                       |
| Shear Strength                                   | <b>53</b>                   | MPa               | ASTM D732                     |
| Impact Strength (notched Izod) @ 23 °C           | <b>30</b>                   | KJ/m <sup>2</sup> | ISO 180/A                     |
| Rockwell Hardness                                | <b>114</b>                  | HRR               | ISO 2039-2                    |
| Glass Transition Temperature                     | <b>155</b>                  | °C                | Method 1                      |
| Heat Distortion Temperature (under 1.8 MPa Load) | <b>120</b>                  | °C                | ISO 75/A, T <sub>fe</sub> 1,8 |
| Linear Thermal Expansion                         | <b>79 X 10<sup>-6</sup></b> | m/m/ °C           | ISO 11359                     |
| <b>Processing Parameters</b>                     |                             |                   |                               |
| Smoke Time @ 30 °C                               | <b>90 +/- 10</b>            | Sec               | Method 4                      |
| Initial Viscosity @ 30 °C                        | <b>310 to 390</b>           | Cps               | Brookfield                    |
| Exotherm Temperature                             | <b>&gt;180</b>              | °C                | Method 4                      |

Typical properties. Not to be used for purposes of establishing specification(s).