

# UDea™ EcoPaXX® Q20HG60

## PA410–GF60

60% Continuous Glass Fiber Reinforced, Uni-Directional Tape, Heat Stabilized, Black

### Sustainability

Bio-based

| <i>PROPERTIES</i>                       | <i>TYPICAL DATA</i> | <i>UNIT</i>       | <i>TEST METHOD</i> |
|-----------------------------------------|---------------------|-------------------|--------------------|
| <b>GENERAL PHYSICAL PROPERTIES</b>      |                     |                   |                    |
|                                         | <i>DRY / COND</i>   |                   |                    |
| Density                                 | 1670 / –            | kg/m <sup>3</sup> | ISO 1183           |
| Fiber content (V/V)                     | 39                  | %                 | ISO 11667          |
| <b>PHYSICAL TAPE PROPERTIES</b>         |                     |                   |                    |
|                                         | <i>VALUE</i>        |                   |                    |
| Areal weight – Tape                     | 411                 | g/m <sup>2</sup>  | ISO 1172           |
| Thickness – Tape                        | 0.25                | mm                |                    |
| <b>MECHANICAL TAPE PROPERTIES</b>       |                     |                   |                    |
|                                         | <i>DRY / COND</i>   |                   |                    |
| Tensile modulus – 0° – Tape             | 32 / –              | GPa               | ISO 527–4/–5       |
| Stress at break – 0° – Tape             | 840 / –             | MPa               | ISO 527–4/–5       |
| Strain at break – 0° – Tape             | 2.9 / –             | %                 | ISO 527–4/–5       |
| <b>THERMAL PROPERTIES</b>               |                     |                   |                    |
|                                         | <i>DRY / COND</i>   |                   |                    |
| Melting temperature (10°C/min)          | 248 / *             | °C                | ISO 11357–1/–3     |
| Glass transition temperature (10°C/min) | 70 / *              | °C                | ISO 11357–1/–2     |
| <b>OTHER PROPERTIES</b>                 |                     |                   |                    |
|                                         | <i>DRY / COND</i>   |                   |                    |
| Humidity absorption                     | 0.9 / *             | %                 | Sim. to ISO 62     |