

PP composite with 30% recycled beverage carton. The suggested processing temperature is 190-230 °C. Drying is necessary before processing (70-80 °C, 3-4 hours).

| Parameter | Method | Unit | Typical value |
|----------------------------------|-------------|-------------------|---------------|
| Melt flow index (230°C/2.16 kg) | ISO 1133-1 | g/10 min | 0.7 |
| Density | | kg/m ³ | 958 |
| | | | |
| Tensile modulus | ISO 527-1.2 | MPa | 1480 |
| Tensile strength | ISO 527-1.2 | MPa | 32.4 |
| Elongation at break | ISO 527-1.2 | % | 8.3 |
| | | | |
| Bending modulus | ISO 178 | MPa | 1670 |
| Bending strength | ISO 178 | MPa | 32.7 |
| | | | |
| Charpy impact strength (notched) | ISO 180/A | kJ/m ² | 9.6 |

