

# Akulon® RePurposed RE50 (K-X08522)

PA6-GF50

Envalior

## Product Texts

50% Glass Reinforced, Recycled Content

ISO 1043 PA6-GF50

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	16000 / -	MPa	ISO 527
<sup>[C]</sup> Stress at break	195 / -	MPa	ISO 527
<sup>[C]</sup> Strain at break	2.3 / -	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	75 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	13 / -	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	217 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Density	1560 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 8	h	-
Melt temperature	250 - 285	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	255 - 265	°C	-
Zone 2	265 - 275	°C	-
Zone 3	265 - 280	°C	-
Nozzle temperature	260 - 280	°C	-
Back pressure	3 - 10	MPa	-

## Characteristics

### Processing

Injection Molding

### Regional Availability

Asia Pacific

### Certifications

Recycled Resin Content

## Other text information

### Injection molding

[Injection Molding Recommendations](#)