

Akulon[®] RePurposed RE50 (K-X08522)

PA6-GF50

50% Glass Reinforced, Recycled Content

Sustainability

Recycled based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
<i>DRY / COND</i>			
Tensile modulus	16000 / –	MPa	ISO 527-1/-2
Stress at break	195 / –	MPa	ISO 527-1/-2
Strain at break	2.3 / –	%	ISO 527-1/-2
Flexural modulus	11800 / –	MPa	ISO 178
Flexural strength	250 / –	MPa	ISO 178
Charpy impact strength (+23°C)	75 / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	13 / –	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
<i>DRY / COND</i>			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	217 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
<i>DRY / COND</i>			
Density	1560 / –	kg/m ³	ISO 1183

