

Akulon[®] RePurposed RE50 (K–X08522)

PA6–GF50

50% Glass Reinforced, Recycled Content

Sustainability

Recycled based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
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/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	13 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
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			
	DRY / COND		
Density	1560 / –	kg/m³	ISO 1183