Property Data (Provisional)

Envalior
Imagine the Future

Durethan® K–X21361–A

Akulon® K–X21361–A

PA6–GF60

60% Glass Fiber Reinforced, Recycled Content

Print Date: 2026–04–09

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.2 / *	%	ISO 294–4
Molding shrinkage (normal)	0.8 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	21000 / –	MPa	ISO 527–1/–2
Stress at break	210 / –	MPa	ISO 527–1/–2
Strain at break	2 / –	%	ISO 527–1/–2
Flexural modulus	16500 / –	MPa	ISO 178
Flexural strength	320 / –	MPa	ISO 178
Charpy impact strength (+23°C)	80 / –	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 (1.80 MPa)	210 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.1 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.4 / *	E–4/°C	ISO 11359–1/–2
OTHER PROPERTIES	DRY / COND		
Water absorption	3.6 / *	%	Sim. to ISO 62
Humidity absorption	1 / *	%	Sim. to ISO 62
Density	1700 / –	kg/m³	ISO 1183

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