

Akulon[®] Fuel Lock FLX40–HP(K–X09022

PA6–I

Blow Molding Grade

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	2 / *	%	ISO 294–4
Molding shrinkage (normal)	1.7 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	1840 / 450	MPa	ISO 527–1/–2
Stress at break	41 / –	MPa	ISO 527–1/–2
Strain at break	>50 / –	%	ISO 527–1/–2
Nominal strain at break	>50 / >50	%	ISO 527–1/–2
Yield stress	49 / –	MPa	ISO 527–1/–2
Yield strain	4.1 / –	%	ISO 527–1/–2
Flexural modulus	1900 / 500	MPa	ISO 178
Charpy notched impact strength (+23°C)	90 / –	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	50 / –	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)	55 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	105 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.9 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.9 / *	E–4/°C	ISO 11359–1/–2
OTHER PROPERTIES	DRY / COND		
Humidity absorption	2.7 / *	%	Sim. to ISO 62

Property Data (Provisional)

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Density	1060 / –	kg/m³	ISO 1183