

Akulon[®] Fuel Lock FLX40-HP(K-X09022

PA6-I

Blow Molding Grade

Print Date: 2024-05-31

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/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	50 / -	kJ/m ²	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

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Property Data (Provisional)

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Density	1060 / -	kg/m ³	ISO 1183

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