

# Akulon<sup>®</sup> K240–HP

## PA6–I

Heat Stabilized, Impact Modified, Extrusion Blow Molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>		<b>DRY / COND</b>	
Tensile modulus	2500 / –	MPa	ISO 527–1/–2
Nominal strain at break	12 / –	%	ISO 527–1/–2
Yield stress	70 / –	MPa	ISO 527–1/–2
Yield strain	4 / –	%	ISO 527–1/–2
Charpy impact strength (+23°C)	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (–30°C)	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	50 / –	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (–30°C)	20 / –	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>		<b>DRY / COND</b>	
Temp. of deflection under load (1.80 MPa)	60 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	170 / *	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	1 / *	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	1.4 / *	E–4/°C	ISO 11359–1/–2
<b>OTHER PROPERTIES</b>		<b>DRY / COND</b>	
Water absorption	9 / *	%	Sim. to ISO 62
Humidity absorption	3 / *	%	Sim. to ISO 62
Density	1100 / –	kg/m <sup>3</sup>	ISO 1183

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