

# Akulon<sup>®</sup> K240–HPG3/A

## PA6–I–GF15

15% Glass Fiber Reinforced, Heat Stabilized, Extrusion Blow Molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.25 / *	%	ISO 294–4
Molding shrinkage (normal)	1.2 / *	%	ISO 294–4
<b>MECHANICAL PROPERTIES</b>	<b>DRY / COND</b>		
Tensile modulus	5600 / 3000	MPa	ISO 527–1/–2
Stress at break	110 / 60	MPa	ISO 527–1/–2
Strain at break	5 / 15	%	ISO 527–1/–2
Flexural modulus	5000 / –	MPa	ISO 178
Flexural strength	180 / –	MPa	ISO 178
Charpy impact strength (+23°C)	80 / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (–30°C)	90 / 90	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 30	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (–30°C)	10 / 10	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>	<b>DRY / COND</b>		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	185 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75–1/–2
<b>OTHER PROPERTIES</b>	<b>DRY / COND</b>		
Water absorption	6.8 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1200 / –	kg/m <sup>3</sup>	ISO 1183

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