

Akulon[®] K240–HPG3/A

PA6–I–GF15

15% Glass Reinforced, Heat Stabilized, Extrusion Blow Molding

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.25 / *	%	ISO 294–4
Molding shrinkage (normal)	1.2 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
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/m²	ISO 179/1eU
Charpy impact strength (–30°C)	90 / 90	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 30	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	10 / 10	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)	185 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75–1/–2
OTHER PROPERTIES			
	DRY / COND		
Water absorption	6.8 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1200 / –	kg/m³	ISO 1183