

Akulon® K240-HPG3

PA6-I-GF15

15% Glass Reinforced, Heat Stabilized, Extrusion Blow Molding

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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/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	90 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 30	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	10 / 10	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)	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/m ³	ISO 1183

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