

Akulon[®] K240-HPG3

PA6-I-GF15

15% Glass Reinforced, Heat Stabilized, Extrusion Blow Molding

Print Date: 2024-03-27

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	5500 / 3000	MPa	ISO 527-1/-2
Stress at break	115 / 60	MPa	ISO 527-1/-2
Strain at break	5 / 15	%	ISO 527-1/-2
Flexural modulus	5200 / 2600	MPa	ISO 178
Flexural strength	180 / 85	MPa	ISO 178
Tensile modulus (200°C)	1050	MPa	ISO 527-1/-2
Stress at break (200°C)	31	MPa	ISO 527-1/-2
Strain at break (200°C)	27	%	ISO 527-1/-2
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		

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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
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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