

TECHNICAL DATA SHEET

Akulon® K240-HPG3

Envalior
PA6-I-GF15

Processing

Blow molding

Delivery Form

Pellets

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Product Text

Product Information

15% Glass Reinforced, Heat Stabilized, Extrusion Blow Molding

ISO 1043 PA6-I-GF15

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	40	cm ³ /10min	ISO 1133
Temperature	275	°C	
Load	21.6	kg	
Molding shrinkage, parallel	0.25	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	5500	MPa	ISO 527
Stress at break	115	MPa	ISO 527
Strain at break	5	%	ISO 527
Poisson's ratio	0.35		ISO 527
Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
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

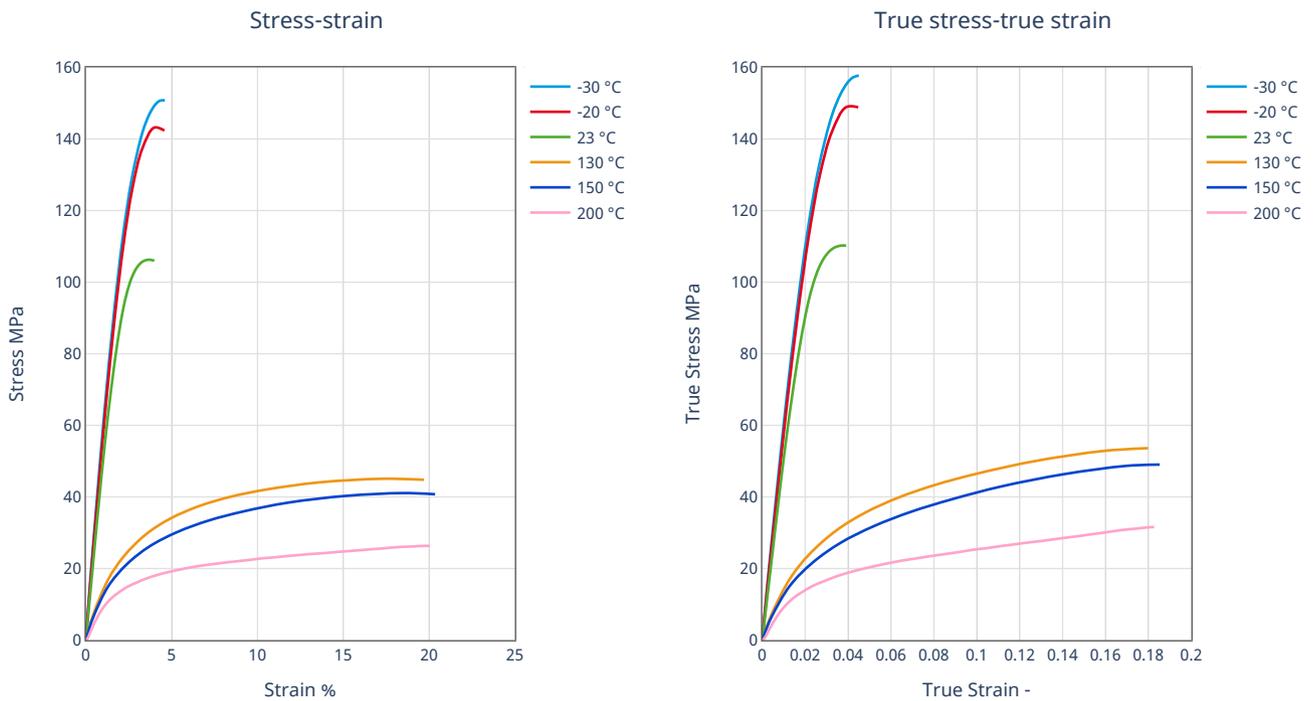
Akulon® K240-HPG3

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Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2

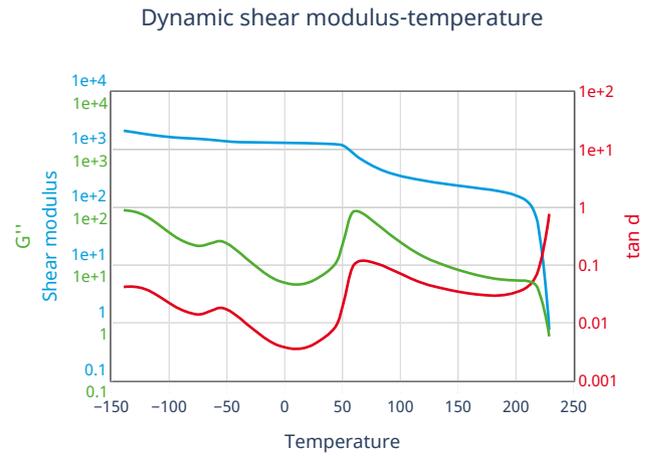
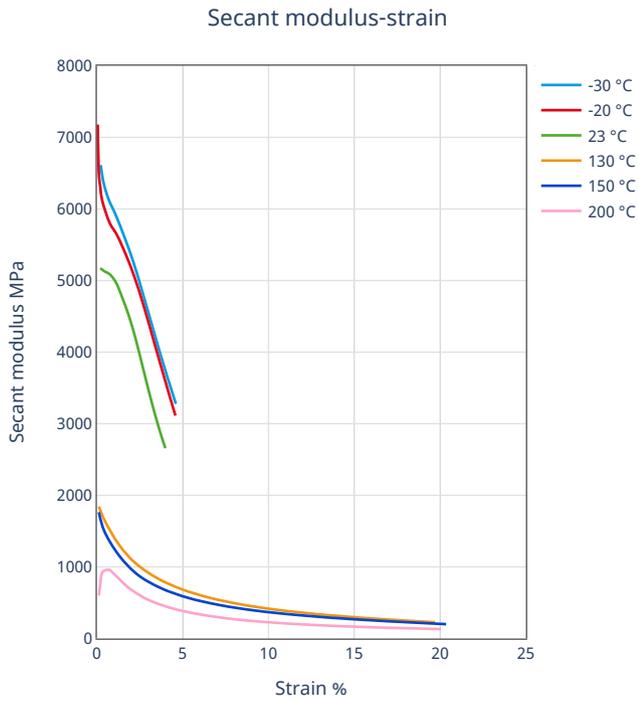
Other Properties	Value	Unit	Standard
Water absorption	6.8	%	Sim. to ISO 62
Humidity absorption	2	%	Sim. to ISO 62
Density	1200	kg/m ³	ISO 1183

Diagrams



Akulon® K240-HPG3

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Processing Information

Injection molding

Injection Molding Recommendations

Blow molding

Blow Molding Recommendations for Akulon® K240-HPG3 & HPG3/A