

**Akulon® K240-HPG3**

PA6-I-GF15

DSM Engineering Plastics

Product Texts

15% Glass Reinforced, Heat Stabilized, Extrusion Blow Molding

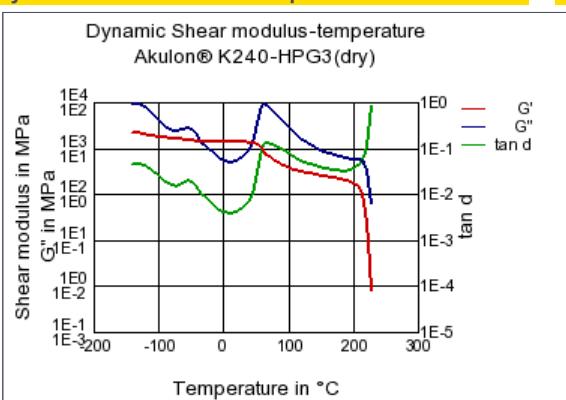
ISO 1043 PA6-I-GF15

[Akulon website](#)

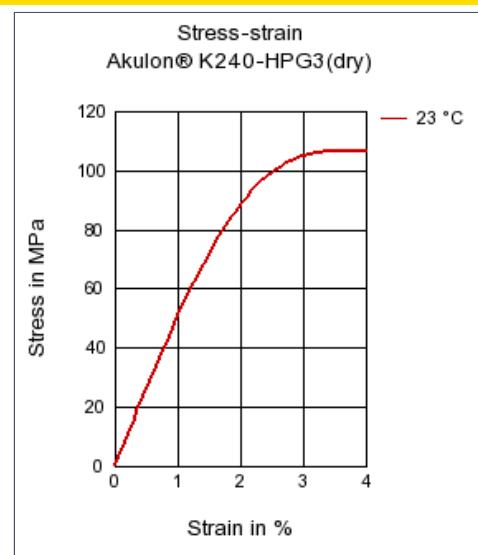
Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	40 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	ISO 1133
Load	21.6 / *	kg	ISO 1133
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577
 Mechanical properties			
ISO Data			
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
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			
ISO Data			
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			
ISO Data			
Water absorption	6.8 / *	%	Sim. to ISO 62
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1200 / -	kg/m ³	ISO 1183

Diagrams

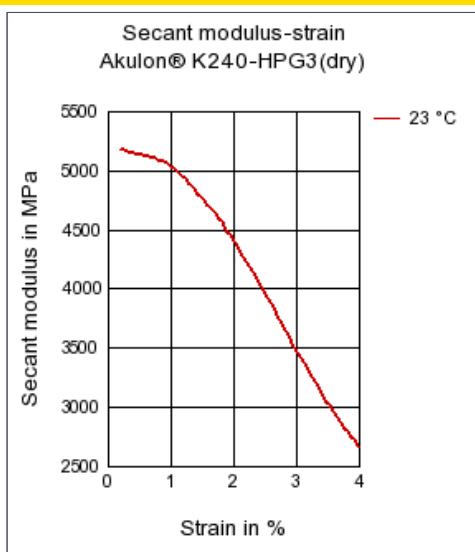
Dynamic Shear modulus-temperature



Stress-strain



Secant modulus-strain



Characteristics

Processing

Blow Molding

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)

Special Characteristics

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