

# Akulon® Ultraflow K-FKGS6 /B

## PA6-GF30 FR(17)

Rinforzato con % di fibre di vetro, Stabilizzato al calore,  
Autoestinguento, Ad alta fluidità

Proprietà	Dati tipici	Unità	Metodo test
<b>Proprietà Reologiche</b>			
	sec / cond		
Ritiro di stampaggio (longitudinale)	0.21/*	%	Sim. to ISO 294-4
Ritiro di stampaggio (trasversale)	0.77/*	%	Sim. to ISO 294-4
<b>Proprietà Meccaniche</b>			
	sec / cond		
Modulo a trazione	11500/7000	MPa	ISO 527-1/-2
Carico unitario a rottura	150/100	MPa	ISO 527-1/-2
Deformazione a rottura	2.5/5	%	ISO 527-1/-2
Resistenza all'urto Charpy (+23°C)	60/60	kJ/m <sup>2</sup>	ISO 179/1eU
Resistenza all'urto Charpy(-30°C)	60/60	kJ/m <sup>2</sup>	ISO 179/1eU
Resist. urto Charpy con intaglio(+23°C)	13/15	kJ/m <sup>2</sup>	ISO 179/1eA
Resist. urto Charpy con intaglio(-30°C)	12/12	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Proprietà Termiche</b>			
	sec / cond		
Temperatura di fusione	220/*	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico (1.8 MPa)	205/*	°C	ISO 75-1/-2
Temp.di inflessione sotto carico (0.45 MPa)	215/*	°C	ISO 75-1/-2
Coeff.di dilatazione termica lin. (parallelo)	0.2/*	E-4/°C	ISO 11359-1/-2
Coeff.di dilatazione termica lin. (perpend.)	1.1/*	E-4/°C	ISO 11359-1/-2
Reaz. al fuoco spess.nom. 1.5mm	V-0/*	class	IEC 60695-11-10
Spessore provato	1.5/*	mm	IEC 60695-11-10
Omologazione UL	UL/*	-	-
Reazione al fuoco a spessore h (ISO 1210)	V-0/*	class	IEC 60695-11-10
Spessore provato	0.75/*	mm	IEC 60695-11-10
Omologazione UL	UL/*	-	-
<b>Proprietà Elettriche</b>			
	sec / cond		
Costante dielettrica relativa (100Hz)	3.5/10	-	IEC 60250
Costante dielettrica relativa (1 MHz)	3.4/4	-	IEC 60250
Fattore di dissipazione(100Hz)	60/3000	E-4	IEC 60250
Fattore di dissipazione(1 MHz)	120/700	E-4	IEC 60250

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Dati Proprietà

# Akulon<sup>®</sup> Ultraflow K-FKGS6 /B

Proprietà	Dati tipici	Unità	Metodo test
Resistività volumica	1E13/1E11	Ohm*m	IEC 60093
Resistività superficiale	*/1E14	Ohm	IEC 60093
Res. alle correnti striscianti superficiali	-/425	-	IEC 60112
Res. alle correnti striscianti superficiali (PLC)	1/*	class	UL 746A
<b>Altre Proprietà (Film)</b>			
	sec / cond		
Assorbimento d'acqua	4.5/*	%	Sim. to ISO 62
Assorbimento d'umidità	1.3/*	%	Sim. to ISO 62
Massa volumica	1590/-	kg/m <sup>3</sup>	ISO 1183
<b>Proprietà Reologiche</b>			
	sec / cond		
Densità del fuso	1150	kg/m <sup>3</sup>	-
Conduttività termica del fuso	0.26	W/(m K)	-
Capacità termica specifica del fuso	1900	J/(kg K)	-
Diffusività termica	1.20E-7	m <sup>2</sup> /s	-

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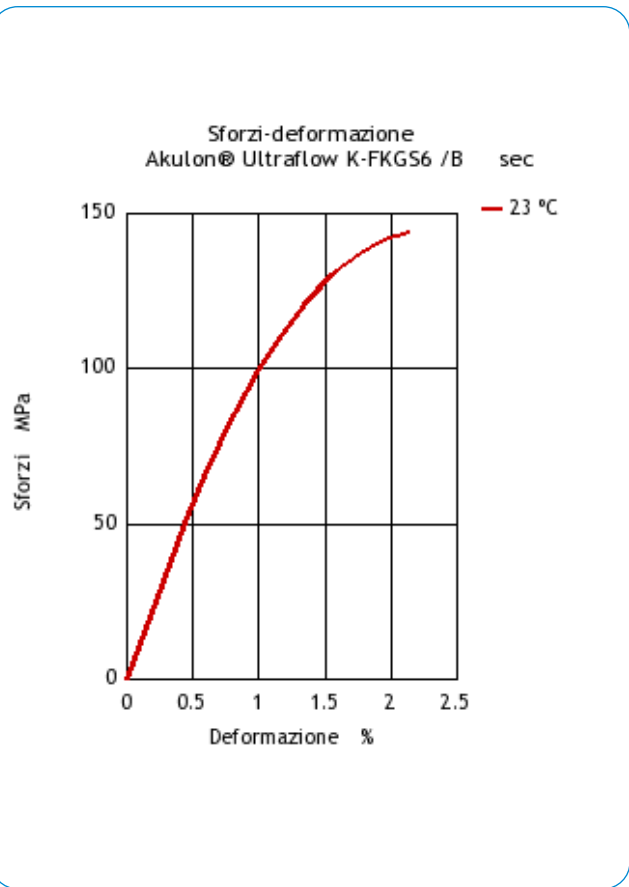
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Sforzi-deformazione, dry



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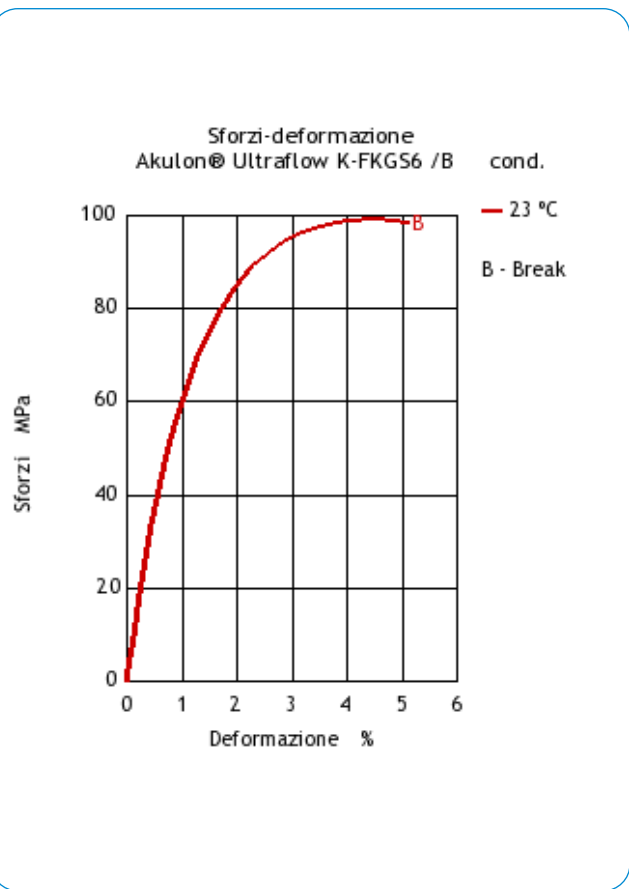
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Sforzi-deformazione, cond.



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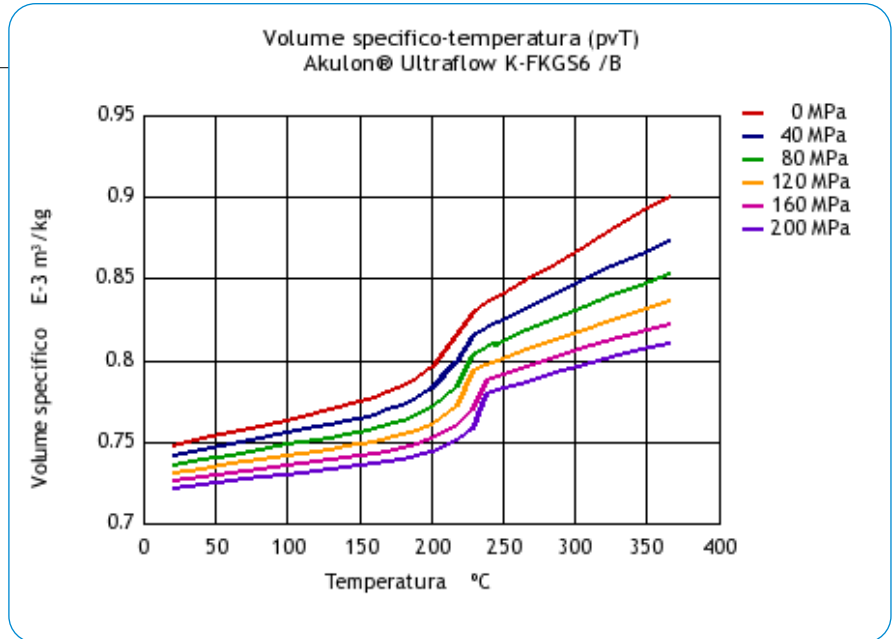
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Volume specifico-temperatura  
(pvT)



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