

Akulon® Ultraflow SG-FHGS3

PA66-GF15 FR(40)

15% Glass Reinforced, Halogen free and free of red phosphorous

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	6850 / 4450	MPa	ISO 527-1/-2
Stress at break	110 / 70	MPa	ISO 527-1/-2
Strain at break	3.1 / 5.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45 / -	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	5.7 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.8 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	42 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	230 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Burning Behav. at 0.75 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Other properties			
	dry / cond		
Density	1300 / -	kg/m ³	ISO 1183

