

Akulon® RePurposed RE15 BK00003

PA6-GF15

15% Glass Reinforced, Recycled Content

Sustainability

Recycled based - mechanical

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.35 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	6000 / 3200	MPa	ISO 527-1/-2
Stress at break	120 / 65	MPa	ISO 527-1/-2
Strain at break	2.8 / 12	%	ISO 527-1/-2
Flexural modulus	5000 / -	MPa	ISO 178
Flexural strength	160 / -	MPa	ISO 178
Charpy impact strength (+23°C)	35 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / -	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)	190 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	200 / *	°C	ISO 75-1/-2
Glow Wire Flammability Index GWFI	675 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	0.8 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	675 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	3 / -	mm	IEC 60695-2-12



Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Water absorption	7.6 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1240 / -	kg/m ³	ISO 1183

