

EcoPaXX® Q-HXG6

PA410-GF30

30% Glass Reinforced, Heat Stabilized

EcoPaXX® Q-HXG6 is a long aliphatic polyamide with good thermal properties and good flow for use in high precision insulating profiles

Sustainability

Bio-based – 14C measurable

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	9000 / 6400	MPa	ISO 527-1/-2
Stress at break	165 / 115	MPa	ISO 527-1/-2
Strain at break	4 / 7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	65 / 85	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	50 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9.5 / 13	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	8.5 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Other properties	dry / cond		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m ³	ISO 1183
Biobased content (in polymer)	41	% (Bio C/Total C)	ASTM D6866-12 Method B

