

EcoPaXX® Q-KG3-FC (Q-X08736)

PA410-GF15

15% Glass Reinforced, Food Contact Quality

EcoPaXX® Q-KG3-FC has excellent processability and surface quality and is safe for use in a broad variety of food contact applications. For detailed statements and information regarding food contact approvals please contact your DSM representative.

Sustainability

Bio-based – 14C measurable

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	5600 / 3800	MPa	ISO 527-1/-2
Stress at break	125 / 85	MPa	ISO 527-1/-2
Strain at break	3.5 / 6.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5 / -	kJ/m ²	ISO 179/1eA
Flexural modulus	5000 / -	MPa	ISO 178
Flexural strength	160 / -	MPa	ISO 178
Thermal properties	dry / cond		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	214 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	242 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1200 / -	kg/m ³	ISO 1183
Biobased content (in polymer)	71	% (Bio C/Total C)	ASTM D6866-12 Method B

