

EcoPaXX® Q-KGS6

PA410-GF30 FR

DSM Engineering Plastics

Product Texts

30% Glass Reinforced, Flame Retardant (halogen free)

ISO 1043 PA410-GF30 FR

[EcoPaXX website](#)

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10000 / 7700	MPa	ISO 527-1/-2
Stress at break	135 / 90	MPa	ISO 527-1/-2
Strain at break	2.5 / 3.8	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / 45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7 / 7.5	kJ/m ²	ISO 179/1eA

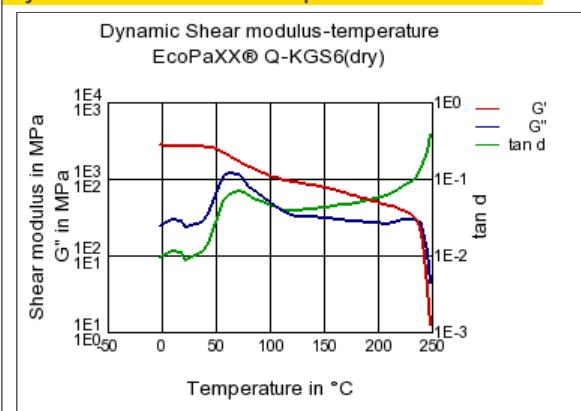
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	40 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	66 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13 / 1E12	Ohm*m	IEC 60093
Surface resistivity	* / 6E13	Ohm	IEC 60093
Electric strength	40 / 30	kV/mm	IEC 60243-1
Comparative tracking index	- / 600	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
ISO Data			
Humidity absorption	1.1 / *	%	Sim. to ISO 62
Density	1400 / -	kg/m ³	ISO 1183

Diagrams

Dynamic Shear modulus-temperature



Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Delivery form

Granules

Ecological valuation

Contains renewable resources

Additives

Release agent

Other text information

Injection Molding

[Injection Molding Recommendations](#)