


EcoPaXX® Q-PG6

PA410-I-GF30

DSM Engineering Plastics

Product Texts

30% Glass Reinforced, Impact Modified

ISO 1043 PA410-I-GF30

[EcoPaXX website](#)

Rheological properties		dry / cond	Unit	Test Standard
ISO Data				
Melt volume-flow rate, MVR		12 / *	cm³/10min	ISO 1133
Temperature		290 / *	°C	ISO 1133
Load		5 / *	kg	ISO 1133
Molding shrinkage, parallel		0.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal		1.3 / *	%	ISO 294-4, 2577
Mechanical properties		dry / cond	Unit	Test Standard
ISO Data				
Tensile Modulus		8000 / 6000	MPa	ISO 527-1/-2
Stress at break		150 / 110	MPa	ISO 527-1/-2
Strain at break		4.5 / 5.8	%	ISO 527-1/-2
Charpy impact strength (+23°C)		85 / 90	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)		20 / 25	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C		14 / -	kJ/m²	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)		215 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)		240 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel		55 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal		65 / *	E-6/K	ISO 11359-1/-2
Electrical properties		dry / cond	Unit	Test Standard
ISO Data				
Volume resistivity		>1E13 / 1E12	Ohm*m	IEC 60093
Electric strength		40 / 38	kV/mm	IEC 60243-1
Comparative tracking index		- / 600	-	IEC 60112
Other properties		dry / cond	Unit	Test Standard
ISO Data				
Humidity absorption		1.4 / *	%	Sim. to ISO 62
Density		1300 / -	kg/m³	ISO 1183
Characteristics				
Processing		Special Characteristics		
Injection Molding		High impact or impact modified		
Delivery form		Ecological valuation		
Granules		Contains renewable resources		
Additives				
Release agent				
Other text information				
Injection Molding				

[Injection Molding Recommendations](#)