

EcoPaXX® Q-PG6	DSM Engineering Plastics					
PA410-I-GF30						
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 / *	cm ³ /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/m ²	ISO 179/1eU			
Charpy notched impact strength (+23°C)	20 / 25	kJ/m ²	ISO 179/1eA			
Charpy notched impact strength, -30°C	14 / -	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)	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/m ³	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](#)