



STAMAX 20YK270E			
PP-GF20		Saudi Basic Industries Corporation (SABIC)	
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4450	MPa	ISO 527-1/-2
Tensile Strength	80	MPa	ISO 527-1/-2
Strain at break	2.4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	49	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	56	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	18	kJ/m ²	ISO 179/1eA
Puncture - maximum force, +23°C	4700	N	ISO 6603-2
Flexural modulus (23°C)	3900	MPa	ISO 178
Flexural modulus	2850	MPa	ISO 178
Flexural modulus temperature	80	°C	ISO 178
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	156	°C	ISO 75-1/-2
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1040	kg/m ³	ISO 1183
Characteristics			
Processing		Features	
Injection Molding		Chemically Coupled Reinforcement	