

STAMAX 40YM243 PP-GF40		Saudi Basic Industries Corporation (SABIC)		
Mechanical properties		Value	Unit	Test Standard
ISO Data				
Tensile Modulus		8300	MPa	ISO 527-1/-2
Tensile Strength		121	MPa	ISO 527-1/-2
Strain at break		2.1	%	ISO 527-1/-2
Charpy impact strength (+23°C)		68	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C		48	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)		22	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C		28	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)		7850	MPa	ISO 178
Flexural modulus		5550	MPa	ISO 178
Flexural modulus temperature		80	°C	ISO 178
Thermal properties				
ISO Data				
Temp. of deflection under load (1.80 MPa)		157	°C	ISO 75-1/-2
Other properties				
ISO Data				
Density		1220	kg/m ³	ISO 1183
Characteristics				
Processing		Features		
Injection Molding		Chemically Coupled Reinforcement		
Special Characteristics		Applications		
U.V. stabilized or stable to weather		Automotive		