

Stanyl® TW209F8

PA46-GF40

Glass Reinforced, Heat Stabilized, Injection Molding

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Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	13000 / 8000	MPa	ISO 527-1/-2
Tensile modulus (160°C)	6100	MPa	ISO 527-1/-2
Stress at break	230 / 140	MPa	ISO 527-1/-2
Stress at break (160°C)	110	MPa	ISO 527-1/-2
Strain at break	3 / 6	%	ISO 527-1/-2
Strain at break (160°C)	8.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	85 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	289 / *	°C	ISO 11357-1/-3