

Tufnyl[®] SGF15 Natural

PA6—GF15

Injection Molding, 15% Glass Reinforced

Print Date: 2025-01-02

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES		VALUE	
Molding shrinkage (parallel)	0.5	%	ISO 294-4
Molding shrinkage (normal)	0.9	%	ISO 294-4
MECHANICAL PROPERTIES		VALUE	
Tensile modulus	5500	MPa	ISO 527-1/-2
Stress at break	115	MPa	ISO 527-1/-2
Strain at break	3	%	ISO 527-1/-2
Flexural modulus	4000	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Izod notched impact strength (+23°C)	8	kJ/m²	ISO 180/1A
THERMAL PROPERTIES		VALUE	
Melting temperature (10°C/min)	220	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	185	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	200	°C	ISO 75-1/-2
OTHER PROPERTIES		VALUE	
Density	1240	kg/m³	ISO 1183
Ash content	15	%	ISO 3451

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