

Tufnyl™ RGF33 Black

(PA66+PA6)—GF33

33% Glass Fiber Reinforced, Injection Molding

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.35 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	11000 / –	MPa	ISO 527-1/-2
Stress at break	140 / –	MPa	ISO 527-1/-2
Strain at break	2 / –	%	ISO 527-1/-2
Yield stress	140 / –	MPa	ISO 527-1/-2
Yield strain	2 / –	%	ISO 527-1/-2
Flexural modulus	9000 / –	MPa	ISO 178
Flexural strength	220 / –	MPa	ISO 178
Charpy impact strength (+23°C)	55 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7.5 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	9 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	230 / *	°C	ISO 75-1/-2
OTHER PROPERTIES	DRY / COND		
Density	1390 / –	kg/m³	ISO 1183
Ash content	33	%	ISO 3451

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