

Tufnyl[®] SXXICSSBLACK

PA6

Injection Molding, Unreinforced

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	1 / *	%	ISO 294-4
Molding shrinkage (normal)	1.3 / *	%	ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	2700 / -	MPa	ISO 527-1/-2
Stress at break	55 / -	MPa	ISO 527-1/-2
Strain at break	10 / -	%	ISO 527-1/-2
Yield stress	60 / -	MPa	ISO 527-1/-2
Yield strain	3.5 / -	%	ISO 527-1/-2
Flexural modulus	2500 / -	MPa	ISO 178
Flexural strength	90 / -	MPa	ISO 178
Charpy impact strength (+23°C)	25 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	4 / -	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	55 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	140 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	DRY / COND		
Density	1130 / -	kg/m ³	ISO 1183

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