Property Data (Provisional)

Envalior
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Tufnyl® SGF15WBLACK

PA6–GF15

15% Glass Reinforced, Injection Molding

Print Date: 2025–01–02

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**DRY / COND**		
Molding shrinkage [parallel]	0.8 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	1 / *	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	**DRY / COND**		
Tensile modulus	5000 / –	MPa	ISO 527–1/–2
Stress at break	90 / –	MPa	ISO 527–1/–2
Strain at break	3 / –	%	ISO 527–1/–2
Flexural modulus	4000 / –	MPa	ISO 178
Flexural strength	145 / –	MPa	ISO 178
Izod notched impact strength (+23°C)	4 / –	kJ/m²	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)	185 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	200 / *	°C	ISO 75–1/–2
OTHER PROPERTIES	**DRY / COND**		
Density	1360 / –	kg/m³	ISO 1183
Ash content	15	%	ISO 3451