

HiFill® PA12 TR90NZ GF15 UV Steel

Techmer Polymer Modifiers - *Polyamide 12*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• UV Resistant
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Moisture (302°F)	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10800	psi	ASTM D638
Tensile Elongation (Break)	8.7	%	ASTM D638
Flexural Modulus	465000	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.0	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0 to 6.0	hr
Nozzle Temperature	480 to 520	°F
Processing (Melt) Temp	480 to 520	°F
Mold Temperature	140 to 175	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

