Monday, May 11, 2026

HiFill® PA12 TR90NZ GF15 UV WT 100764

Techmer Polymer Modifiers - *Polyamide 12*

Units SI

Action **Legend (Open)**

General Information

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

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12	g/cm³	ASTM D792
Moisture (150°C)	0.070	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	66.2	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	3050	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	85	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	4.0 to 6.0	hr
Nozzle Temperature	249 to 271	°C
Processing (Melt) Temp	249 to 271	°C
Mold Temperature	60 to 79	°C

Notes

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

powered by PROSPECTOR®

UL LLC ©2026. All rights reserved.

www.ulprospector.com

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.