Monday, May 11, 2026

HiFill® PA12 TR90NZ GF15 UV Retina Burn

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
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11	g/cm³	ASTM D792
Moisture (150°C)	0.090	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	82.0	MPa	ASTM D638
Tensile Elongation (Break)	8.2	%	ASTM D638
Flexural Modulus	3340	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	130	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.

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