Wednesday, May 13, 2026

Electrafil® TPE CF25 NAT

Techmer Polymer Modifiers - *Thermoplastic Elastomer*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber, 25% Filler by Weight
Features	• Thermally Conductive
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	124	MPa	ASTM D638
Tensile Strength (Yield)	3.10	MPa	ASTM D638
Tensile Strength (Break)	2.76	MPa	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	145	MPa	ASTM D790
Flexural Strength	4.27	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	73		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	66	°C
Drying Time	1.0 to 2.0	hr

Notes

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

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