

Electrafil® TPE CF25 NAT

 Techmer Polymer Modifiers - *Thermoplastic Elastomer*
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		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18000	psi	ASTM D638
Tensile Strength (Yield)	450	psi	ASTM D638
Tensile Strength (Break)	400	psi	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	21000	psi	ASTM D790
Flexural Strength	620	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.1	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr

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