



TRIVALENCE

TriLEC PA661CF40E

Nylon 66(PA) Carbon Fiber Reinforced

General Information

Product Description

PA66, Carbon Fiber Reinforced, Recylate Based

FEATURES

- 50% of the strength of steel at 15% of the weight
- Conductive
- 1.5 - 1.8x tensile improvement over LGF PP
- 40% Carbon Fiber Reinforced

ADDITIONAL FORMULAS

- Additional UV "U"

COLOR

- Black
- Opaque



General

Typical Applications

-Transportation, defense, packaging, conveyment, aerospace, casters, business equipment.

Processing Method

-Injection/Extrusion

Form(s)

-Pellets

Availability

-North America, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.2mm)	0.7 to 1.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	200	MPa	ASTM D638
Tensile Elongation, yld	>1.6	%	ASTM D638
Flexural Modulus	22800	MPa	ASTM D790
Notched Izod Impact (73F)	10	kJ/m ²	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1E2-1E5	ohm/sq	ASTM D257
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	160 to 180	°F
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	280 to 300	°C