TRIVALENCE

TriLEC PA661CF20E

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
-20% 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 Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm³	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	190	MPa	ASTM D638
Tensile Elongation, yld	>1.8	%	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Notched Izod Impact (73F)	9	kJ/m²	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	240 to 280	°C