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TriLEC PA661CF30E

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
-30% 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	1.30	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	194	MPa	ASTM D638
Tensile Elongation, yld	>1.6	%	ASTM D638
Flexural Modulus	18400	MPa	ASTM D790
Notched Izod Impact (73F)	9.2	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	280 to 300	°C

[1] Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.