

TRILOY® LU180

Samyang Corporation - Polycarbonate + PBT

General Information

Product Description

This is one of the Metalinus® product manufactured by Samyang Corporation. Metalinus® gives the metal effect to plastics by using metal pigments as compounding additives, without spray(paint) coating progress. It is an eco-friendly material used in premium household appliances, automotive applications, building materials in various colors.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> Asia Pacific 	<ul style="list-style-type: none"> Europe 	<ul style="list-style-type: none"> North America
Uses	<ul style="list-style-type: none"> Automotive Applications Building Materials 	<ul style="list-style-type: none"> Electrical/Electronic Applications Television Housings 	
Appearance	<ul style="list-style-type: none"> Metallized - Colors 		
Forms	<ul style="list-style-type: none"> Pellets 		

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7110	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	284000	psi	ASTM D790
Flexural Strength (Yield)	11700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	10	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ASTM D648

