TRIVALENCE

TriBLEND 14FR5 (U,R)

Polycarbonate + PBT

General Information

Product Description

Flame retardant PC+PBT with superior impact properties.

FEATURES		ADDITIONAL FORMULAS	COLOR
-Flame Retardant	-Chemical Resistant	-Added Release	-All
-Superior Impact	-Medium Flow	-Added UV	-Opaque/Translucent
-Low Temperature Impact			
-RoHS/REACH Compliant			

General

Typical Applications	-Electrical, lawn & garden, automotive, electronics, medical devices
Processing Method	-Injection
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.3	g/cm³	ASTM D792
Melt Flow Rate (260°C/2.16kg)	15	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.0 to 1.3	%	TVT Internal
Outdoor Suitability (QUV)("U" grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	7200	psi	ASTM D638
Tensile Elongation, brk	>100	%	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Rockwell Hardness	119	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	210	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	150	°F	ASTM D648
Vicat Softening Temperature	230	°F	ASTM D1525
CLTE - Flow	5.3E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	V0		UL94 TVT Internal
0.10 in	V0/5V		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	220 to 250	°F	
Drying Time	3 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	480 to 510	°F	
Mold Temperature	120 to 170	°F	