TRIVALENCE

TriBLEND 32 (U,R)

Polycarbonate + PBT

General Information

Product Description

Polycarbonate + PBT with good impact.

FEATURES	ADDITIONAL FORMULAS	COLOR
-High Strength	-Added Release "R"	-All
-Great Chemical Resistance	-Added UV "U"	-Opaque/Translucent
-Good Room/Cold Temperature Impact		
-ROHS/REACH Compliant		
-High Flow		

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	35	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to .9	%	TVT Internal
Outdoor Suitability (QUV)("U" Grades Only)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	8500	psi	ASTM D638
Tensile Elongation, brk	>140	%	ASTM D638
Flexural Modulus	330,000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Notched Izod Impact (73F)	14	ft-lbs/in	ASTM D256
Notched Izod Impact (-22F)	5	ft-lbs/in	ASTM D257
Rockwell Hardness	112	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	218	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	192	°F	ASTM D648
CLTE - Flow	9.3E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL File E494706

Recommended Processing Guidance		
Drying Temperature	200 to 240	°F
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	490 to 520	°F
Mold Temperature	105 to 175	°F