Headquarters
3001 Maxx Road
Evansville, IN 47711
800.209.2517

trivalencetechnologies.com

TriBLEND 23IM (U,R)

Polycarbonate + PBT

General Information

Product Description

Polycarbonate + PBT with high impact.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Outstanding Strength -UL HB Rated	-Added Release "R"	-All
-Great Chemical Resistance	-Added UV "U"	-Opaque/Translucent
-Superior Room/Cold Temperature Impact		
-ROHS/REACH Compliant		
-Medium Flow		

General

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

Underwriters Laboratories

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ASTM D792
Melt Flow Rate (250°C/5.0kg)	15	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.9 to 1.2	%	TVT Internal
Outdoor Suitability (QUV)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	7400	psi	ASTM D638
Tensile Elongation, brk	>140	%	ASTM D638
Flexural Modulus	280000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Notched Izod Impact (73F)	15	ft-lbs/in	ASTM D256
Notched Izod Impact (-22F)	10	ft-lbs/in	ASTM D257
Rockwell Hardness	118	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	238	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	204	°F	ASTM D648
Vicat Softening Temperature	251	°F	ASTM D1525
CLTE - Flow	5.4E-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	150 to 190	°F

[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.