

Headquarters 3001 Maxx Rd Evansville, IN 47711 800.209.2517

trivalencetechnologies.com

	Gene	ral Information	
oduct Description			
Non halogenated flame retardant p	olycarbonate.		
FEATURES		ADDITIONAL FORMULAS	COLOR
-Good Impact/Ductility	-Halogen Free -Bromine Free	-Added Release "R" -Additional UV "U" - Great UV Perfo	-All omance
-Enhanced Flow and Release -Flame Retardant -RoHS/REACH Compliant -Improved Chemical Resistance	-Chlorine Free		
neral			
Typical Applications Processing Method Form(s)	lawn and garden, industr	se gear, heathcare, EV battery, sporting goo ial packaging, electrical components, oil/gas Iding materials, railway, wire and cable.	
Availability	-North America, Europe,	Latin Amorica	
Availability			
ysical	ASIM	ISO Properties ¹ Nominal Value Unit	Test Method
Density		1.20 g/cm ³	ASTM D792
Melt Flow Rate (300°C/1.2kg)		18 g/10min	ASTM D192 ASTM D1238
Molding Shrinkage - Flow (3.2m	um)	0.5 to 0.8 %	TVT Internal
Outdoor Suitability (QUV) (U Gr		Pass	TVT Internal
chanical	4465)	Nominal Value Unit	Test Method
Tensile Strength, brk		8800 psi	ASTM D638
Tensile Elongation		120 %	ASTM D638
Flexural Modulus		320,000 psi	ASTM D790
Notched Izod Impact (R.T)		14 ft-lbs/in	ASTM D256
Rockwell Hardness		118 R-Scale	ASTM D785
ermal		Nominal Value Unit	Test Method
Deflection Temperature Under	Load (0.45 MPa)	270 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)		250 °F	ASTM D648
Vicat Softening Temperature	· · ·	280 °F	ASTM D1525
CLTE - Flow		3.4E-5 in/in/°F	ASTM E831
mmability		Nominal Value Unit	Test Method
0.06 in		V0	UL94 - Pending
0.12 in		5V	UL94 - Pending
commended Processing Guidan	ce		<u>_</u>
Drying Temperature		230 to 250 °F	
Drying Time		3 to 6 Hours	
Suggested Max Moisture		0.02 %	
		F00 / F00 %F	
Processing Melt Temperature		500 to 590 °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.