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TriVEX™ 22 (U,R) ISO

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Polycarbonate

General Information

Product Description

General purpose, medium flow, high impact polycarbonate

FEATURES	ADDITIONAL FORMULAS	COLOR
-High Impact	-Added Release "R"	-All
-High Optical Quality	-Additional UV "U"	-Transparents
-Medium Flow		

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Flow Rate (300°C/1.2kg)	20	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) (12U Grades)	Pass		TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	65	MPa	ISO 527
Tensile Elongation,brk	>50	%	ISO 527
Charpy Izod Impact	70	kj/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	138	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	124	°C	ISO 75
Vicat Softening Temperature	145	°C	ISO 306
CLTE - Flow	3.8E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

Drying Temperature	230 to 250	°F
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	520 to 560	°F
Mold Temperature	140 to 180	°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.