

performanceplastics

Trirex 3022U

GP Medium Viscosity, Transparent, UV Stabilised, Injection Moulding Grade Polycarbonate

PROPERTIES

Mechanical Properties

	Standard	Unit	3022U
Tensile Elongation at break	D638	%	120
Tensile strength at yield	D638	MPa	64
Flexural strength at yield	D790	MPa	93
Flexural modulus	D790	MPa	2250
Izod impact strength, notched	23°C 3.2mm D256	J/m	589
Rockwell hardness	D785	R scale	120

Thermal Properties

Melt Flow Rate	300C, 1.2kg D1238	g/10min	18
Heat deflection temperature HDT, 4.6 Kg/cm ²	D648	°C	145
Heat deflection temperature HDT, 18.6 Kg/cm ²	D648	°C	134
Coefficient of LTE	D696	mm/mm/°C	5.6X10 ⁻⁵

General Properties

Density	D792	g/cm ³	1.2
Flammability (UL94)	1.6mm UL94	-	V2
Water absorption	23°C/sat D570	%	0.15
Mould Shrinkage (3mm)	- D955	%	0.5 ~ 0.7

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

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