

# performanceplastics

Trirex 3020U (HF)

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

## PROPERTIES

### Mechanical Properties

		Standard	Unit	3020U (HF)
Tensile Elongation at break		D638	%	90
Tensile strength at yield		D638	MPa	64
Flexural strength at yield		D790	MPa	86
Flexural modulus		D790	MPa	1960
Izod impact strength, notched	23°C 3.2mm	D256	J/m	740
Rockwell hardness		D785	R scale	120

### Thermal Properties

Melt Flow Rate	300C, 1.2kg	D1238	g/10min	23
Heat deflection temperature HDT 1.8MPa		D648	°C	130
Coefficient of LTE		D696	mm/mm/°C	5.6X10 <sup>-5</sup>

### General Properties

Density		D792	g/cm <sup>3</sup>	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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