

performanceplastics

Trirex 3025N2

Flame Retardant, Transparent, UV Stabilised, Moulding Grade Polycarbonate

PROPERTIES

Mechanical Properties

| | | Standard | Unit | 3025N2 |
|-------------------------------|------------|----------|---------|--------|
| Tensile Elongation at break | | D638 | % | 120 |
| Tensile strength at yield | | D638 | MPa | 67 |
| Flexural strength at yield | | D790 | MPa | 86 |
| Flexural modulus | | D790 | MPa | 2300 |
| 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 | 18 |
| Heat deflection temperature HDT 1.8MPa | | D648 | °C | 132 |
| Coefficient of LTE | | D696 | mm/mm/°C | 5.5X10 ⁻⁵ |

General Properties

| | | | | |
|-----------------------|----------|------|-------------------|-----------|
| Density | | D792 | g/cm ³ | 1.2 |
| Flammability (UL94) | 3.2mm | UL94 | - | V0 |
| 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.

Performance Plastics Ltd

Tel. 01425 403543

Website www.performance-plastics.co.uk