

NORYL™ RESIN ZM3242

REGION ASIA

DESCRIPTION

Modified PPO* 30% mineral filled products, Non Halogenated Flame Retardant V-1 products. Supper low warpage series, HDT 110degC

TYPICAL PROPERTY VALUES

Revision 20180905

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|--|----------------|----------|-------------------|
| MECHANICAL | | | |
| Tensile Stress, brk, Type I, 5 mm/min | 65 | MPa | ASTM D 638 |
| Tensile Strain, brk, Type I, 5 mm/min | 6 | % | ASTM D 638 |
| Flexural Stress, yld, 1.3 mm/min, 50 mm span | 104 | MPa | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 5770 | MPa | ASTM D 790 |
| IMPACT | | | |
| Izod Impact, notched, 23°C | 23 | J/m | ASTM D 256 |
| THERMAL | | | |
| HDT, 1.82 MPa, 6.4 mm, unannealed | 110 | °C | ASTM D 648 |
| CTE, -40°C to 40°C, flow | 4.E-05 | 1/°C | ASTM E 831 |
| CTE, -40°C to 40°C, xflow | 5.1E-05 | 1/°C | ASTM E 831 |
| PHYSICAL | | | |
| Specific Gravity | 1.35 | - | ASTM D 792 |
| Mold Shrinkage, flow, 3.2 mm | 0.4 | % | SABIC method |
| Melt Flow Rate, 300°C/2.16 kgf | 27 | g/10 min | ASTM D 1238 |
| FLAME CHARACTERISTICS | | | |
| UL Compliant, 94V-1 Flame Class Rating | 1.5 | mm | UL 94 by SABIC-IP |
| INJECTION MOLDING | | | |
| Drying Temperature | 90 – 100 | °C | |
| Drying Time | 2 – 4 | hrs | |
| Melt Temperature | 280 – 300 | °C | |
| Nozzle Temperature | 280 – 300 | °C | |
| Front - Zone 3 Temperature | 280 – 300 | °C | |
| Middle - Zone 2 Temperature | 270 – 290 | °C | |
| Rear - Zone 1 Temperature | 260 – 280 | °C | |
| Mold Temperature | 70 – 90 | °C | |

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