

APLAX PP ENGINEERING PLASTICS

| Properties | UNIT | Test Method | Aplax P2420GN |
|---|--|-------------|----------------|
| Mechanical | | | |
| 抗張強度 Tensile Str, Yield | Psi(Mpa) | D-638 | 10000(70) |
| 斷裂伸長率 Tensile Elongation, Break | % | D-638 | 4.0 |
| 彎曲強度 Flexural Strength | Psi(Mpa) | D-790A | 16500(114) |
| 彎曲彈性率 Flexural Modulus | Psi(Mpa) | D-790A | 580000(3998) |
| IZOD衝擊強度 Izod Impact Strength, Notched | ft.-lb/in (J/m) 23°C -30°C | D-256 | 2.1(112) |
| 硬度 Rockwell Hardness | R-Scale | D-785 | 114 |
| Thermal | | | |
| 融點 Melting Point | °C | D-789 | 165 |
| 熱變形溫度 Heat Deflection Temperature | °C 66 psi(0.45Mpa) 264 psi(1.82Mpa) | D-648 | - 152 |
| 線膨脹係數 Coefficient of Thermal Expansion | E-5 1/°C | D-696 | - |
| 熾熱電線耐燃試驗 Glow Wire Test | °C | IEC 695-2-1 | - |
| Electrical | | | |
| 介電強度 Dielectric Strength | kv/mm | D-149 | - |
| 體積電阻 Volume Resistivity | ohm-cm | D-257 | - |
| 耐電弧 Arc Resistance | Sec | D495 | - |
| Other | | | |
| 比重 Specific Gravity | - | D-792 | 1.03 |
| 流動指數 Melt Flow Index | g/10min (230°C/2.16Kg) | D-1238 | 4 |
| 成型收縮率 Mold Shrinkage, Flow | % 3mm | D-955 | 0.35 |
| 吸水率 Water Absorption | % 23°C, 24hr | D-570 | 0.03 |
| Flammability | | | |
| 燃燒性 Flammability | 1/8" 1/16" 1/32" | UL-94 | HB HB HB |
| 附註 Remark | PP 20% Glass reinforde | | |

*Typical properties can be subject to change without further notice.

ISO9001 / ISO14001 / IECQ QC080000 ASSURANCE

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|------|--------------------------------|-----------------------------|
| 單位換算 | 抗張強度, 彎曲強度, 彎曲彈性率 | IZOD 衝擊強度 |
| | 1psi=0.0703 kg/cm ² | 1 ft.-lb/in =5.45 kg.-cm/cm |
| | 1Mpa=10.2 kg/cm ² | 1J/m=0.102 kg.-cm/cm |