



## TYPICAL PROPERTIES OF XYDAR® MG-350LW(B)

| Item   | Method (ASTM) | Unit              | MG-350 LW(B) |
|--|---------------|-------------------|--------------|
| 抗拉強度<br>Tensile strength                                     | D638          | MPa               | 107          |
| 抗伸弾性率<br>Tensile modulus                                     | D638          | GPa               | 14.2         |
| 抗張伸展率<br>Elongation  | D638          | %                 | 2.4          |
| 弯曲強度<br>Flexural strength                                    | D790          | MPa               | 139          |
| 弯曲弾性率<br>Flexural modulus                                    | D790          | GPa               | 11.6         |
| 泊松比<br>Poisson's ratio                                       | -             | -                 | 0.30         |
| Izod 衝撃強度<br>无缺口<br>Izod impact strength<br>(unnotched)      | D256          | kJ/m <sup>2</sup> | 47           |
| 洛氏硬度<br>Rockwell Hardness                                    | D785          | R                 | 103          |
| 比重<br>Specific gravity                                       | D792          | -                 | 1.73         |
| 吸水率<br>Water absorption                                      | D570          | %                 | 0.02         |
| 热变形温度<br>Deflection temperature under<br>load (load 1.82Mpa) | D648          | °C                | 266          |

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- The data shown in this paper are based on our laboratory data, and not always directly applicable to your products used under different conditions.



|  |      |   |                |
|--|------|---|----------------|
| 导热系数<br>Thermal conductivity                                     | F433 | W/m · K                                 | 0.439          |
| 难燃性 (V-0 取得厚度)<br>Flammability rating<br>(V-0 applied thickness) | UL94 | mm                                      | 0.20           |
| 耐电强度<br>Dielectric strength                                      | D149 | KV/mm                                   | 44.3           |
| 耐电弧<br>Arc resistance  | D495 | sec                                     | 126            |
| 体积电阻率<br>Volume resistivity                                      | D257 | $\times 10^{15} \Omega \cdot \text{cm}$ | 22.0           |
| 表面电阻率<br>Surface resistivity                                     | D257 | $\times 10^{15} \Omega$                 | 28.0           |
| 界面常数<br>Dielectric strength                                      | D150 | $10^2 \text{Hz}$<br>$10^6 \text{Hz}$    | 4.4<br>3.8     |
| 介质损耗角正切<br>Water absorption                                      | D150 | $10^2 \text{Hz}$<br>$10^6 \text{Hz}$    | 0.014<br>0.032 |
| 成形收缩率<br>(成形品 100x100x1mm)<br>Mold shrinkage                     | -    | MD<br>TD                                | -0.02<br>0.59  |

### 射出成形条件(Molding conditions):

|                               |                              | MG350 LW (B)          |
|-------------------------------|------------------------------|-----------------------|
| 温度 Temp<br>[°C]               | 后段温度 (Rear)                  | 280~310               |
|                               | 中段温度 (Middle)                | 330~360               |
|                               | 前段温度 (Front)                 | 350~380               |
|                               | 射嘴温度 Nozzle Temperature (°C) | 350~370               |
|                               | 模具温度 Mold Temperature (°C)   | 40~120                |
| 射出压力 Injection Pressure (MPa) |                              | 30~120                |
| 射出速度 Injection Speed          |                              | Medium to high speed  |
| 干燥条件 Drying                   |                              | 150~170°C; 8~24 hours |

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