

TYPICAL PROPERTIES DATA SHEET

Hony Engineering Plastics Limited

HONY® Durostone Sheet Properties Data Sheet

① Raw material description

| | | | |
|------------------------|---|--------------------------|-----------|
| Standard Grade: | Laminated grade | Appearance color: | Dark grey |
| Applications: | Processing materials, sheet, insulation testing fixture, wave soldering, reflow soldering, SMT components, wave solder pallet, testing jigs and PCB. Electronics, aviation, vessel. | | |
| Remarks: | Characters: low heat conduction, antistatic, high temperature resistance, antistatic, light weight, chemical resistance, dimensional stability | | |

② Raw material technical datasheet

high temperature resistance fiberglass composite sheet (durostone sheet) (unleaded grade)

| Grade | Ordinary Antistatic grade (fiber) | Antistatic grade (fiber) | Antistatic grade (fiber) | Antistatic grade Stone unleaded (cloth) |
|---|-----------------------------------|----------------------------------|----------------------------------|---|
| | HY-DURO001 | HY-DURO002 | HY-DURO003 | HY-PBF |
| Color | Black | Black | Black | Black |
| Density(g/cm ³) | 1.85±0.5 | 1.9±0.5 | 1.9±0.5 | 1.87±0.5 |
| Flexural Strength at23°C | 480 | 380 | 380 | 380 |
| Flexural Strength at150°C | - | 190 | 190 | 190 |
| Flexural Strength at180°C | - | 140 | 140 | 140 |
| Surface Resistance(Ω-ohms) | 10 ⁶ —10 ⁹ | 10 ⁶ —10 ⁹ | 10 ⁶ —10 ⁹ | 10 ⁶ —10 ⁹ |
| Thermal Conductivity (w/m.k) | 0.68 | 0.57 | 0.57 | 0.69 |
| Linear Coefficient of Expansion 25°C | 13 | 13 | 13 | 13 |
| Tensile Strength-Transverse/Longitudinal (Mpa) | - | 450/300 | 450/300 | 450/300 |
| Water absorption (%) | <0.19 | <0.19 | <0.19 | <0.19 |
| TG Temperature (°C) | - | 175 | 175 | 175 |
| Maximum Operating Temperature(°C) 10-20seconds | 285 | 285 | 300 | 380 |
| Continuous Temperature(°C) | 260-280 | 265-285 | 280 | 280 |
| Chemical Corrosion Resistance | Good | Good | Good | Good |
| Skin Irritation | No | No | No | No |
| Standard Size (MM) | 1220*2440 | | | |
| Standard Thickness(mm) | 3,4,5,6,8,10 | | | |
| Thickness Tolerance(mm) | + 0.15 | | | |
| Flatness Tolerance (mm) (350*350 size sheet) | 0.15 | | | |
| Parallelism Tolerance (mm) | 0.1 | | | |

NOTE: 1 g/cm³ = 1,000 kg/m³, 1 Mpa = 1 N/mm², 1kV/mm = 1 MV/m

Statement:

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. HONY plastic will not provide any legally binding guarantee of certain properties, or any suitability.