


FORMOSA CHEMICALS & FIBRE CORPORATION
TAIRIPRO[®] PP Resin Homopolymer

| Property | Unit | Test Method | Test Condition | Flat Yarn |
|-------------------------------|---|---------------------------|---|-----------------------------------|
| | | | | S1005 |
| Melt Flow Index | g/10min | ASTM D-1238 (ISO 1133) | 230°Cx2.16kg | 5 |
| Tensile Strength at Yield | kgf/cm ² (MPa) | ASTM D-638 (ISO 527) | 23°C | 340 (33) |
| Tensile Elongation at Break | % | ASTM D-638 (ISO 527) | 23°C | >200 |
| Flexural Modulus | kgf/cm ² | ASTM D-790 (ISO 178) | 23°C | 14000 (1372) |
| Rockwell Hardness | R-scale | ASTM D-785 (ISO 2039) | 23°C | 100 |
| Izod Impact Strength | kgf-cm/cm (J/m) | ASTM D-256 (ISO 180) | 23°C 1/8" bar | 3.6 (35) |
| Heat Deflection Temperature | °C | ASTM D-648 (ISO 75) | Unannealed 4.6kg/cm ² 1/4" bar | 110 |
| Molding Shrinkage Temperature | % | ASTM D-955 (ISO 2577) | 23°C | --- |
| Specific Gravity | | ASTM D-792 (ISO 1183) | 23°C/23°C | 0.9 |
| FDA Compliance | | | | Yes |
| Flammability | | UL-94 | File No. E162823 | 1.5mm HB 3.0mm HB All Color |
| JHOSPA-PL | | | | - |
| Characteristics | Good stretch-ability, Good processability | | | |

All tests were run under laboratory conditions, ASTM, ISO testing procedures. The data are intended as a general guide only.

Formosa Chemicals & Fibre Corp. Plastics Div.

TEL: +886-2-27122211 / FAX: +886-2-27131649 /

Address: No.201, Dunhua N. Rd., Songshan Dist., Taipei City 105, Taiwan

Website: <https://en.fcfc-plastics.com/>

