

# TAIRIPRO T2502

Polypropylene Homopolymer  
Formosa Plastics Corporation

Message:

FCFC PP resin T2502 meets the requirements of FDA, RoHS and the certificates of environmental protection.

| General Information                                               |                        |                   |                 |
|-------------------------------------------------------------------|------------------------|-------------------|-----------------|
| Features                                                          | Homopolymer            |                   |                 |
| Agency Ratings                                                    | EC 1907/2006 (REACH)   |                   |                 |
|                                                                   | FDA 21 CFR 177.1520    |                   |                 |
| RoHS Compliance                                                   | RoHS compliance        |                   |                 |
| Forms                                                             | Particle               |                   |                 |
| Processing Method                                                 | Extrusion blow molding |                   |                 |
| Physical                                                          | Nominal Value          | Unit              | Test Method     |
| Specific Gravity                                                  | 0.900                  | g/cm <sup>3</sup> | ASTM D792       |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                         | 1.8                    | g/10 min          | ASTM D1238      |
| Molding Shrinkage - Flow (23°C)                                   | 1.5 - 1.9              | %                 | Internal method |
| Hardness                                                          | Nominal Value          | Unit              | Test Method     |
| Rockwell Hardness (R-Scale, 23°C)                                 | 100                    |                   | ASTM D785       |
| Mechanical                                                        | Nominal Value          | Unit              | Test Method     |
| Tensile Strength (Yield, 23°C)                                    | 35.3                   | MPa               | ASTM D638       |
| Tensile Elongation (Break, 23°C)                                  | > 200                  | %                 | ASTM D638       |
| Flexural Modulus (23°C)                                           | 1520                   | MPa               | ASTM D790A      |
| Impact                                                            | Nominal Value          | Unit              | Test Method     |
| Unnotched Izod Impact (23°C, 3.18 mm)                             | 59                     | J/m               | ASTM D256       |
| Thermal                                                           | Nominal Value          | Unit              | Test Method     |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm) | 125                    | °C                | ASTM D648       |
| Extrusion instructions                                            |                        |                   |                 |
| Screw Temp: 200-230°C Molding Temp: 190-210°C                     |                        |                   |                 |

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