

# TAIRIPRO S2035

Polypropylene Homopolymer  
Formosa Plastics Corporation

Message:

FCFC PP resin S2035 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                                                 | Filament extrusion   |                   |             |
| 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)                         | 34                   | g/10 min          | ASTM D1238  |
| 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)                                    | 33.3                 | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)                                  | > 50                 | %                 | ASTM D638   |
| Flexural Modulus (23°C)                                           | 1320                 | MPa               | ASTM D790A  |
| Impact                                                            | Nominal Value        | Unit              | Test Method |
| Unnotched Izod Impact (23°C, 3.18 mm)                             | 24                   | J/m               | ASTM D256   |
| Thermal                                                           | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm) | 110                  | °C                | ASTM D648   |
| Extrusion instructions                                            |                      |                   |             |

Screw Temp: 220-260°C Molding Temp: 220-240°C Casting Roll: 30°C Cooling water Temp: 50 to 60°C

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