

## CTC SunPro® SP 200 P3081 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

SunPro® SP 200 P 3081 is a general purpose, medium flow, polypropylene copolymer. It has applications in automotive wheel housings and general purpose automotive. Automotive Certifications: GM PP 086RData provided by Composite Technologies (CTC).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CTC-SunPro-SP-200-P3081-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_CTC-SunPro-SP-200-P3081-Polypropylene-Copolymer.php)

| Physical Properties | Metric      | English     | Comments |
|---------------------|-------------|-------------|----------|
| Melt Flow           | 17 g/10 min | 17 g/10 min | ISO 1133 |

| Mechanical Properties      | Metric                 | English                    | Comments            |
|----------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength, Yield    | 24.0 MPa               | 3480 psi                   | ISO 527-1/2         |
| Flexural Modulus           | 0.875 GPa              | 127 ksi                    | ISO 178             |
| Izod Impact, Notched (ISO) | 8.00 kJ/m <sup>2</sup> | 3.81 ft-lb/in <sup>2</sup> | Low Temp; ISO 180/A |

| Processing Properties     | Metric           | English         | Comments |
|---------------------------|------------------|-----------------|----------|
| Rear Barrel Temperature   | 182 - 216 °C     | 360 - 420 °F    |          |
| Middle Barrel Temperature | 193 - 227 °C     | 380 - 440 °F    |          |
| Front Barrel Temperature  | 204 - 216 °C     | 400 - 420 °F    |          |
| Nozzle Temperature        | 204 - 216 °C     | 400 - 420 °F    |          |
| Melt Temperature          | 204 - 227 °C     | 400 - 440 °F    |          |
| Mold Temperature          | 26.7 - 60.0 °C   | 80.0 - 140 °F   |          |
| Back Pressure             | 0.345 - 1.03 MPa | 50.0 - 150 psi  |          |
| Clamp Pressure            | 27.6 - 34.5 MPa  | 4000 - 5000 psi |          |

| Descriptive Properties | Value             | Comments |
|------------------------|-------------------|----------|
| Boost Pressure (psi)   | 500-1500          |          |
| Hold Pressure          | 50 - 75% of Boost |          |
| Screw Speed            | Medium to Fast    |          |

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China