

## Inno-Comp INNOPOLÂ® CS 1-7120 AP 20% Talc Filled Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

### Material Notes:

INNOPOLÂ® CS 1-7120 is a 20 % talc-filled polypropylene homopolymer compound. This grade is available in natural and custom colored form. INNOPOLÂ® CS 1-7120 is recommended for extrusion of sheets and profiles, where one of the required properties is good stiffness. Information provided by INNO-COMP

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Inno-Comp-INNOPOL-CS-1-7120-AP-20-Talc-Filled-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Inno-Comp-INNOPOL-CS-1-7120-AP-20-Talc-Filled-Polypropylene-Homopolymer.php)

| Physical Properties | Metric   | English  | Comments                       |
|---------------------|--|--|--------------------------------|
| Density             | 1.04 g/cc  | 0.0376 lb/inÂ³   | ISO 1183                       |
| Melt Flow           | 0.80 g/10 min<br>@Load 5.00 kg,<br>Temperature 230 Â°C | 0.80 g/10 min<br>@Load 11.0 lb,<br>Temperature 446 Â°F | nozzle diam 2.095 mm; ISO 1133 |
| Storage Temperature | <= 60.0 Â°C  | <= 140 Â°F   |                                |

| Mechanical Properties   | Metric                                    | English                                       | Comments                |
|-------------------------|---|---|-------------------------|
| Tensile Stress          | 32.0 MPa                                  | 4640 psi                                      | 50 mm/min; ISO 527-1,-2 |
| Elongation at Yield     | 5.5 %                                     | 5.5 %   | 50 mm/min; ISO 527-1,-2 |
| Tensile Modulus         | 2.50 GPa                                  | 363 ksi                                       | 1 mm/min; ISO 527-1,-2  |
| Flexural Modulus        | 2.60 GPa                                  | 377 ksi                                       | ISO 178                 |
| Charpy Impact Unnotched | 1.80 J/cmÂ²<br>@Temperature -20.0<br>Â°C  | 8.57 ft-lb/inÂ²<br>@Temperature -4.00<br>Â°F  | ISO 179/1eU             |
|                         | 6.00 J/cmÂ²<br>@Temperature 23.0<br>Â°C   | 28.6 ft-lb/inÂ²<br>@Temperature 73.4 Â°F      | ISO 179/1eU             |
| Charpy Impact, Notched  | 0.200 J/cmÂ²<br>@Temperature -20.0<br>Â°C | 0.952 ft-lb/inÂ²<br>@Temperature -4.00<br>Â°F | ISO 179/1eA             |
|                         | 0.350 J/cmÂ²<br>@Temperature 23.0<br>Â°C  | 1.67 ft-lb/inÂ²<br>@Temperature 73.4 Â°F      | ISO 179/1eA             |

| Thermal Properties                          | Metric  | English | Comments    |
|---|---------|---------|-------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 115 Â°C | 239 Â°F | ISO 75-1,-2 |

| Processing Properties     | Metric          | English        | Comments  |
|---------------------------|-----------------|----------------|-----------|
| Rear Barrel Temperature   | 180 - 220 Â°C   | 356 - 428 Â°F  | Extrusion |
|                           | 190 - 260 Â°C   | 374 - 500 Â°F  | Injection |
| Middle Barrel Temperature | 180 - 220 Â°C   | 356 - 428 Â°F  | Extrusion |
|                           | 190 - 260 Â°C   | 374 - 500 Â°F  | Injection |
| Front Barrel Temperature  | 180 - 220 Â°C   | 356 - 428 Â°F  | Extrusion |
|                           | 190 - 260 Â°C   | 374 - 500 Â°F  | Injection |
| Die Temperature           | 190 - 220 Â°C   | 374 - 428 Â°F  | Extrusion |
| Melt Temperature          | 200 - 230 Â°C   | 392 - 446 Â°F  | Extrusion |
|                           | 240 - 260 Â°C   | 464 - 500 Â°F  | Injection |
| Mold Temperature          | 15.0 - 50.0 Â°C | 59.0 - 122 Â°F |           |
| Moisture Content          | <= 0.070 %      | <= 0.070 %     |           |

| Descriptive Properties | Value      | Comments |
|------------------------|------------|----------|
| Resin Designation      | PP-H TD 20 | ISO 1043 |

## 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