

## Phillips 66 COPYLENE® CR120CL Polypropylene, Random Copolymer, Clarified, Lubricated

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

### Material Notes:

Random clarified copolymer specially formulated to achieve high clarity and excellent color and color stability with excellent mold release properties. Applications: Injection molding applications such as housewares and clear containers. Information provided by Phillips 66.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Phillips-66-COPYLENE-CR120CL-Polypropylene-Random-Copolymer-Clarified-Lubricated.php](http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CR120CL-Polypropylene-Random-Copolymer-Clarified-Lubricated.php)

| Physical Properties | Metric  | English   | Comments   |
|---------------------|---|---|------------|
| Density             | 0.902 g/cc  | 0.0326 lb/in <sup>3</sup>                           | ASTM D792  |
| Melt Flow           | 12 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 12 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ASTM D1238 |

| Mechanical Properties   | Metric                             | English                               | Comments                                       |
|-------------------------|------------------------------------|---------------------------------------|--|
| Tensile Strength, Yield | 28.79 MPa                          | 4175 psi                              | 2 in/min; ASTM D638                            |
| Elongation at Yield     | 14 %                               | 14 %                                  | ASTM D638                                      |
| Flexural Modulus        | 1.14 GPa                           | 165 ksi                               | 0.05 in/min; 1% secant; Procedure A; ASTM D790 |
| Izod Impact, Notched    | 0.694 J/cm<br>@Temperature 23.0 °C | 1.30 ft-lb/in<br>@Temperature 73.4 °F | Method A; ASTM D256                            |

| Thermal Properties                          | Metric  | English | Comments              |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 81.0 °C | 178 °F  | unannealed; ASTM D648 |

| Descriptive Properties | Value             | Comments |
|------------------------|-------------------|----------|
| Process                | Injection Molding |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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