

## Borealis Borclear™ RE936CF Polypropylene Random Copolymer

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

### Material Notes:

Borclear™ RE936CF is a random copolymer. This grade is suitable for the manufacturing of unoriented films on chill roll processes.

Applications: food packaging, lamination films, and stationary films. Additives: Borclear™ RE936CF contains antiblock and slip agents. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Borclear-RE936CF-Polypropylene-Random-Copolymer.php](http://www.lookpolymers.com/polymer_Borealis-Borclear-RE936CF-Polypropylene-Random-Copolymer.php)

| Physical Properties | Metric                               | English                              | Comments             |
|---------------------|--------------------------------------|--------------------------------------|----------------------|
| Melt Flow           | 12 g/10 min                          | 12 g/10 min                          | ISO 1133             |
|                     | @Load 2.16 kg,<br>Temperature 230 °C | @Load 4.76 lb,<br>Temperature 446 °F |                      |
| Slip Level          | 2000 ppm                             | 2000 ppm                             | EAA; Borealis Method |

| Mechanical Properties              | Metric    | English    | Comments               |
|------------------------------------|-----------|------------|------------------------|
| Tensile Modulus                    | 0.500 GPa | 72.5 ksi   | MD/TD; ISO 527-3       |
| Flexural Modulus                   | 0.900 GPa | 131 ksi    | ISO 178                |
| Dart Drop, Total Energy            | 20.0 J    | 14.8 ft-lb | 1000N; ISO 7765-1      |
| Coefficient of Friction            | 0.15      | 0.15       | film to film; ISO 8295 |
| Film Tensile Strength at Break, MD | 30.0 MPa  | 4350 psi   | ISO 527-3              |
| Film Tensile Strength at Break, TD | 30.0 MPa  | 4350 psi   | ISO 527-3              |

| Thermal Properties                             | Metric        | English       | Comments     |
|--|---------------|---------------|--------------|
| Melting Point                                  | 143 °C        | 289 °F        | ISO 3146     |
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 66.0 °C       | 151 °F        | ISO 75-2     |
| Vicat Softening Point                          | 130 °C        | 266 °F        | A50; ISO 306 |
|  | @Load 1.02 kg | @Load 2.25 lb |              |

| Optical Properties    | Metric   | English  | Comments                        |
|-----------------------|----------|----------|---------------------------------|
| Haze                  | <= 1.5 % | <= 1.5 % | ASTM D1003                      |
| Gloss                 | 140 %    | 140 %    | 20° of arc; ASTM D2457          |
| Transmission, Visible | 90 %     | 90 %     | clear; thickness not quantified |

| Optical Properties            | Metric | English | Comments        |
|-------------------------------|--------|---------|-----------------|
| Component Elements Properties | Metric | English | Comments        |
| SiO2                          | 0.18 % | 0.18 %  | Borealis Method |

## Contact Songhan Plastic Technology Co.,Ltd.

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