

## Solvay Specialty Polymers Ixef® BXT 2000-0203 Polyarylamide (PARA)

Category : Polymer , Thermoplastic , Polyarylamide (PAA)

### Material Notes:

Ixef® BXT 2000-0203 resin was developed specifically for extrusion and blow-molding processes. Unlike grades targeted for injection molding, Ixef® BXT 2000-0203 resin can be successfully extruded into tube, pipe, sheet and film and blow-molded into various profiles. BXT 2000-0203 resin has proven permeation resistance to most automotive fluids and fuels. It also offers low moisture absorption, excellent dimensional stability, and chemical resistance as well as outstanding mechanical properties. Features: Barrier Resin; Fuel Resistant; Good Chemical Resistance; Good Creep Resistance; Good Dimensional Stability; High Flow; Low Moisture Absorption; Outstanding Surface Finish Uses: Blow Molding Applications; Film; Piping; Sheet; Tubing Additional Properties: Melt Flow - (240°C): 6.00 g/10 min; Modulus of Elasticity - ASTM D638 2.48 GPa; Permeation - SAE J2659 (60°C): 0.83 gÅ·mm/mÅ²/atm/24 hr; Tensile Strain at Break - ASTM D638 44 %; Unnotched Izod Impact - ASTM D4812 No Break Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Ixef-BXT-2000-0203-Polyarylamide-PARA.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ixef-BXT-2000-0203-Polyarylamide-PARA.php)

| Physical Properties   | Metric     | English        | Comments             |
|-----------------------|------------|----------------|----------------------|
| Density               | 1.12 g/cc  | 0.0405 lb/inÅ³ | ISO 1183             |
| Apparent Bulk Density | 0.700 g/cc | 0.0253 lb/inÅ³ | Method B; ASTM D1895 |

| Mechanical Properties        | Metric      | English         | Comments           |
|------------------------------|-------------|-----------------|--------------------|
| Tensile Strength at Break    | 39.9 MPa    | 5790 psi        | ASTM D638          |
| Tensile Strength, Yield      | 63.4 MPa    | 9200 psi        | ASTM D638          |
|                              | 63.8 MPa    | 9250 psi        | ISO 527-2          |
| Elongation at Break          | 77 %        | 77 %            | Nominal; ISO 527-2 |
| Elongation at Yield          | 3.7 %       | 3.7 %           | ISO 527-2          |
|                              | 4.0 %       | 4.0 %           | ASTM D638          |
| Tensile Modulus              | 2.47 GPa    | 358 ksi         | ISO 527-2          |
| Izod Impact, Notched         | 3.50 J/cm   | 6.56 ft-lb/in   | ASTM D256          |
| Izod Impact, Notched (ISO)   | 15.0 kJ/mÅ² | 7.14 ft-lb/inÅ² | ISO 180            |
| Izod Impact, Unnotched (ISO) | 190 kJ/mÅ²  | 90.4 ft-lb/inÅ² | ISO 180            |

| Thermal Properties                          | Metric   | English | Comments               |
|---------------------------------------------|----------|---------|------------------------|
| Melting Point                               | 230 Å°C  | 446 Å°F | DSC                    |
| Deflection Temperature at 1.8 MPa (264 psi) | 82.0 Å°C | 180 Å°F | Unannealed; ISO 75-2/A |

| Thermal Properties      | Metric                                 | English                           | Comments      |
|-------------------------|----------------------------------------|-----------------------------------|---------------|
| Processing Properties   | Metric                                 | English                           | Comments      |
| Zone 1                  | 220 Â°C                                | 428 Â°F                           |               |
| Zone 2                  | 235 Â°C                                | 455 Â°F                           |               |
| Zone 3                  | 250 Â°C                                | 482 Â°F                           |               |
| Adapter Temperature     | 250 Â°C                                | 482 Â°F                           |               |
| Die Cooling Temperature | 250 Â°C                                | 482 Â°F                           |               |
| Roll Temperature        | 107 Â°C                                | 225 Â°F                           | Take-Off Roll |
| Drying Temperature      | 85.0 Â°C<br>@Time 14400 - 28800<br>sec | 185 Â°F<br>@Time 4.00 - 8.00 hour |               |

| Descriptive Properties | Value                   | Comments |
|------------------------|-------------------------|----------|
| Availability           | Africa & Middle East    |          |
|                        | Asia Pacific            |          |
|                        | Europe                  |          |
|                        | Latin America           |          |
|                        | North America           |          |
| Color                  | Natural                 |          |
| Form                   | Pellets                 |          |
| Processing Technique   | Blow Molding; Extrusion |          |

## 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