

## **PIBITER NRV230AE**

| PBT-GF30 FR(17   | )  | ISO 11469  |
|--|--|--|
| 120<br>2<br>10400  | MPa<br>%<br>MPa  | ISO 527-1/-2<br>ISO 527-1/-2<br>ISO 527-1/-2<br>ISO 178<br>ISO 178   |
| Pa 213   | °C   | ISO 75-1/-2  |
|  |  | UL 94<br>UL 94<br>UL 94  |
|  |  | Sim. to ISO 62<br>ISO 1183   |
|  |  |  |
| Flame retardant  |  |  |
| Center Temperature 460-480(235-<br>Front Temperature 470-490(240-2<br>Nozzle Temperature 480-490(250-<br>Melt Temperature 460-490(235-25<br>Mold Temperature 150-200(65-93<br>Back Pressure 0-50 psi<br>Screw Speed Medium<br>Injection Speed Fast<br>Injection speed, injection pressure<br>the individual article geometry. To | -250) deg F (deg C)<br>255) deg F (deg C)<br>-255) deg F (deg C)<br>55) deg F (deg C)<br>) deg F (deg C)<br>and holding pressure H<br>avoid material degrada   | ation during processing  |
|  | 11000<br>120<br>2<br>10400<br>200IPa213V-0<br>0.75<br>yes0.15<br>1700Flame retardantRear Temperature 450-470(230-2<br>Center Temperature 460-480(235<br>Front Temperature 470-490(240-2<br>Nozzle Temperature 480-490(250<br>Melt Temperature 460-490(235-25<br>Mold Temperature 150-200(65-93)<br>Back Pressure 0-50 psi<br>Screw Speed Medium<br>Injection Speed FastInjection speed, injection pressure<br>the individual article geometry. To<br>low back pressure and minimum s | V-0 class<br>0.75 mm<br>yes<br>0.15 %<br>1700 kg/m <sup>3</sup><br>Flame retardant<br>Rear Temperature 450-470(230-240) deg F (deg C)<br>Center Temperature 460-480(235-250) deg F (deg C)<br>Front Temperature 460-480(235-250) deg F (deg C)<br>Nozzle Temperature 480-490(240-255) deg F (deg C)<br>Nozzle Temperature 480-490(250-255) deg F (deg C)<br>Mold Temperature 460-490(235-255) deg F (deg C)<br>Mold Temperature 150-200(65-93) deg F (deg C)<br>Back Pressure 0-50 psi<br>Screw Speed Medium |

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| Processing Texts<br>Pre-drying  | To avoid hydrolytic degradation during processing, Pibiter resins have to be dried to a moisture level equal to or less than 0.02%. Drying should be done in a dehumidifying hopper dryer capable of dewpoints <-40°F (-40°C) at 250°F (121°C) for 4 hours.   |
|---------------------------------|---|
| Longer pre-drying times/storage | For subsequent storage of the material in the dryer until processed (<= 60 h) it is necessary to lower the temperature to 100 $^{\circ}$ C.   |
| Injection molding               | Rear Temperature 450-470(230-240) deg F (deg C)<br>Center Temperature 460-480(235-250) deg F (deg C)<br>Front Temperature 470-490(240-255) deg F (deg C)<br>Nozzle Temperature 480-490(250-255) deg F (deg C)<br>Melt Temperature 460-490(235-255) deg F (deg C)<br>Mold Temperature 150-200(65-93) deg F (deg C)<br>Back Pressure 0-50 psi<br>Screw Speed Medium<br>Injection Speed Fast |
|                                 | Injection speed, injection pressure and holding pressure have to be optimized to<br>the individual article geometry. To avoid material degradation during processing<br>low back pressure and minimum screw speed have to be used. Overheating of<br>the material has to be avoided, in particular for flame retardant grades.  |
| Injection molding Preprocessing | To avoid hydrolytic degradation during processing, Pibiter resins have to be dried to a moisture level equal to or less than 0.02%. Drying should be done in a dehumidifying hopper dryer capable of dewpoints <-30°F (-34°C) at 250°F (121°C) for 4 hours  |

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