

RamSter PF1011NT

PBT

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|---------------|
|-------------------------------------|-------|------|---------------|

Other Standards^[5]

| | | | |
|-----------------------------|-----|---|-----------------|
| Molding shrinkage, parallel | 1.5 | % | Producer Method |
|-----------------------------|-----|---|-----------------|

S: These properties are reported by the producer according standards that are different to our defaults.

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
|-----------------------|-------|------|---------------|

ISO Data

| | | | |
|-------------------------------------|------|-------------------|------------|
| Yield strain | 55 | % | ISO 527 |
| Strain at break | 150 | % | ISO 527 |
| Flexural modulus, 23°C | 2450 | MPa | ISO 178 |
| Flexural strength | 83 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 4 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
|--------------------|-------|------|---------------|

ISO Data

| | | | |
|------------------------------------------|-----|-------|-----------------|
| Temp. of deflection under load, 1.80 MPa | 60 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 155 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|------|---------------|
|------------------|-------|------|---------------|

| | | | |
|---------------------|------|-------------------|----------------|
| Humidity absorption | 0.6 | % | Sim. to ISO 62 |
| Density | 1310 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-------|------|---------------|
|---------------------------------------------|-------|------|---------------|

| | | | |
|--------------------------|-----------|----|---|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Mold temperature | 50 - 80 | °C | - |
| Feed temperature | 40 - 60 | °C | - |
| Zone 1 | 235 - 255 | °C | - |
| Zone 2 | 235 - 255 | °C | - |
| Zone 3 | 240 - 260 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Certifications

RoHS compliant

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa