

# RamSter PF871NT

PBT

Polyram

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

### Other Standards<sup>S1</sup>

|                             |     |   |                 |
|-----------------------------|-----|---|-----------------|
| Molding shrinkage, parallel | 1.8 | % | 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

|                                     |      |                   |            |
|-------------------------------------|------|-------------------|------------|
| Tensile Modulus                     | 1750 | MPa               | ISO 527    |
| Tensile Strength                    | 37   | MPa               | ISO 527    |
| Yield strain                        | 5.5  | %                 | ISO 527    |
| Izod notched impact strength, +23°C | 50   | kJ/m <sup>2</sup> | ISO 180/1A |

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

|                     |      |                   |                |
|---------------------|------|-------------------|----------------|
| Humidity absorption | 0.25 | %                 | Sim. to ISO 62 |
| Density             | 1250 | kg/m <sup>3</sup> | 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                   | 230 - 250 | °C | - |
| Zone 2                   | 240 - 255 | °C | - |
| Zone 3                   | 245 - 260 | °C | - |

## Characteristics

### Processing

Injection Molding

### Delivery form

Natural Color

### Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

### Certifications

RoHS compliant

### Regional Availability

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