

RamSter PE3025G9BK10

PET-GF45

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--------------------------------------|-------------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 4 | g/10min | ISO 1133 |
| Temperature | 280 | °C | - |
| Load | 2.16 | kg | - |
| Other Standards^[S] | | | |
| Molding shrinkage, parallel | 0.2 | % | Producer Method |
| Molding shrinkage, normal | 0.8 | % | 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 | 17300 | MPa | ISO 527 |
| Tensile Strength | 190 | MPa | ISO 527 |
| Strain at break | 1.8 | % | ISO 527 |
| Flexural modulus, 23°C | 14500 | MPa | ISO 178 |
| Flexural strength | 290 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 10.5 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|------------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 225 | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1710 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Mold temperature | 75 - 95 | °C | - |
| Feed temperature | 60 - 80 | °C | - |
| Zone 1 | 270 - 280 | °C | - |
| Zone 2 | 270 - 290 | °C | - |
| Zone 3 | 270 - 290 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Regional Availability

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