

Product Texts

Medium/High Viscosity, Film Extrusion, Nucleated, Lubricated, Food Contact Quality

ISO 1043 PA6

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|----------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 220 | °C | ISO 11357-1/-3 |
| ^[C] Coeff. of linear therm. expansion, parallel | 90 | E-6/K | ISO 11359-1/-2 |
| ^[C] Coeff. of linear therm. expansion, normal | 90 | E-6/K | ISO 11359-1/-2 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------------------|-------|-------------------|----------------|
| ^[C] Water absorption | 9.5 | % | Sim. to ISO 62 |
| ^[C] Humidity absorption | 2.5 | % | Sim. to ISO 62 |
| ^[C] Density | 1130 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Film Properties | Value | Unit | Test Standard |
|---|-------|--|----------------|
| ISO Data | | | |
| ^[C] Stress at yield, parallel | 34 | MPa | ISO 527-3 |
| ^[C] Maximum stress, parallel | 96 | MPa | ISO 527-3 |
| ^[C] Maximum strain, parallel | 350 | % | ISO 527-3 |
| ^[C] Trouser Tear resistance, parallel | 32 | N/mm | ISO 6383-1 |
| ^[C] Dynamic coefficient of friction | 0.8 | - | ISO 8295 |
| ^[C] WVTR, 23°C/85%r.h. | 35 | g/(m ² *d) | ISO 15106-1/-2 |
| ^[C] Oxygen transmission rate, 23°C/0%r.h. | 20 | cm ³ /(m ² *d*bar) | ISO 15105-1/-2 |
| ^[C] Oxygen transmission rate, 23°C/85%r.h. | 31 | cm ³ /(m ² *d*bar) | ISO 15105-1/-2 |
| ^[C] Type of extrusion | cast | - | - |
| ^[C] Thickness of specimen | 0.05 | mm | - |

[C]: CAMPUS

| Material specific properties | Value | Unit | Test Standard |
|---------------------------------|-------|--------------------|---------------------|
| ISO Data | | | |
| ^[C] Viscosity number | 210 | cm ³ /g | ISO 307, 1157, 1628 |

[C]: CAMPUS

Characteristics**Processing**

Film Extrusion, Other Extrusion, Casting

Features

Nucleated

Delivery form

Pellets

Certifications

Food contact

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific

Other text information**Film extrusion**[Processing of Akulon® Film Grades](#)