# PORON® 一般物性/製品仕様 Physical Properties / Product Availability

| PORON® | | | スタンダード | | | | | | | 低発生ガス・難燃 | | | | 耐熱 | | | | | | | | PETサポート薄物 | | | | | | | | | | | | | | | | 特殊表面 | | | | | | | 項目 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | スタンダード | | | | | | | 難燃 | | | | 標準 | | | 高シール | | | | 高難燃 | 低反発 | | | | | | | 高強度 | ソフト | | 防水 | | | 難燃 | | | 極薄 | 高グリップ | | | | | | 高摺動 | |
| 物性 | | タイプ | LE | L | | H | | | HH | MS | ML | MH | NU | TR | | | ATR | | | | RX | SR- S | | | | | | | TSR | SS | | WP | | | MS | | MH | EXT | CH | | MX | | | HH | LE | |
| 項目 | 単位 | | 20 | 24 | 32 | 24 | 32 | 48 | 48 | 40 | 32 | 32 | 60 | 20 | 24 | 32 | 24 | 24PR | 32 | 32PR | 32 | 15P | 20P | 24P | 32P | 40P | 48P | 70P | 15P | 24P | 32P | 24P | 32P | 40P | 40P | 40PR | 48P | | 32EG | 48EG | 40EG | 48EG | 48HF | 48C | 20LF | |
| 密度 | kg/m³ | | 200 | 240 | 320 | 240 | 320 | 480 | 480 | 400 | 320 | 320 | 600 | 200 | 240 | 320 | 240 | 240 | 320 | 320 | 320 | 150 | 200 | 240 | 320 | 400 | 480 | 700 | 150 | 240 | 320 | 240 | 320 | 400 | 400 | 400 | 480 | 900 | 320 | 480 | 400 | 480 | 480 | 480 | 200 | 密度 |
| | | 規格範囲 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±40 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±40 | ±70 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±40 | ±150 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | ±30 | |
| 引張強度 | MPa | 代表値 | 0.30 | 0.54 | 0.77 | 0.88 | 1.44 | 2.35 | 2.65 | 0.51 | 0.68 | 1.20 | 1.30 | 0.28 | 0.29 | 0.45 | 0.28 | 0.28 | 0.42 | 0.42 | 0.50 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.30 | 2.00 | 3.83 | 4.58 | 4.24 | 2.65 | 0.30 | 引張強度 |
| | | 規格値 | 0.20< | 0.29< | 0.59< | 0.65< | 1.08< | 1.72< | 2.16< | 0.24< | 0.52< | 0.83< | 0.80< | 0.14< | 0.14< | 0.24< | 0.14< | 0.14< | 0.20< | 0.20< | 0.24< | | | | | | | | | | | | | | | | | 0.90< | 1.40< | 2.00< | 3.43< | 3.43< | 2.16< | 0.20< | |
| 伸び | % | 代表値 | 150 | 115 | 150 | 150 | 155 | 140 | 140 | 130 | 110 | 110 | 150 | 100 | 90 | 90 | 95 | 95 | 85 | 85 | 72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 110 | 120 | 100 | 80 | 80 | 140 | 150 | 伸び |
| | | 規格値 | 100< | 100< | 100< | 100< | 100< | 90< | 100< | 100< | 100< | 100< | 100< | 40< | 40< | 40< | 40< | 40< | 40< | 40< | 40< | | | | | | | | | | | | | | | | | 80< | 40< | 40< | 40< | 40< | 100< | 100< | |
| 引裂強度 | N/mm | 代表値 | 1.30 | 1.80 | 2.40 | 2.80 | 3.30 | 6.20 | 7.40 | 2.10 | 2.10 | 2.90 | 5.50 | 1.00 | 1.10 | 1.70 | 1.00 | 1.00 | 1.40 | 1.40 | 1.80 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4.00 | 6.20 | 10.70 | 9.70 | 10.00 | 7.40 | 1.30 | 引裂強度 |
| | | 規格値 | 1.20< | 1.50< | 2.00< | 2.00< | 2.90< | 3.90< | 5.90< | 0.70< | 0.90< | 1.80< | 0.38< | 0.20< | 0.20< | 0.50< | 0.50< | 0.50< | 0.70< | 0.70< | 0.50< | | | | | | | | | | | | | | | | | 2.60< | 3.90< | 6.00< | 7.40< | 7.40< | 5.90< | 1.20< | |
| 25%圧縮荷重 | MPa | 代表値 | 0.020 | 0.046 | 0.076 | 0.071 | 0.132 | 0.251 | 0.510 | 0.055 | 0.069 | 0.127 | 0.234 | 0.026 | 0.031 | 0.058 | 0.051 | 0.051 | 0.084 | 0.081 | 0.069 | 0.006 ※1 | 0.006 | 0.008 | 0.017 | 0.016 | 0.028 | 0.013 ※2 | 0.008 ※1 | 0.011 | 0.019 | 0.021 | 0.046 | 0.073 | 0.051 | 0.061 | 0.329 | 0.007 ※2 | 0.146 | 0.331 | 1.197 | 1.996 | 1.698 | 0.508 | 0.020 | 25%圧縮荷重 |
| 50%圧縮残留歪 | % | 代表値 | 7.9 | 2.7 | 3.4 | 3.3 | 3.1 | 5.9 | 4.7 | 3.0 | 2.0 | 3.0 | 2.9 ※3 | 5.6 | 3.9 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 2.5 | 1.0 | 1.6 | 2.7 | 2.2 | 2.0 | 2.0 | 4.0 ※3 | 1.0 | 1.6 | 2.0 | 4.2 | 4.9 | 5.7 | 3.0 | 2.0 | 4.0 | 6.8 ※3 | 2.9 | 2.4 | 3.5 ※3 | 4.5 ※3 | 8.0 ※3 | 4.7 | 7.9 | 50%圧縮残留歪 |
| | | 規格値 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | |
| | | 保証温度 | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 110℃ | 110℃ | 110℃ | 100℃ | 100℃ | 100℃ | 100℃ | 100℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | 70℃ | |

●測定方法はJIS規格に基づく弊社試験方法です。●25%圧縮荷重の＊1は40%圧縮荷重、＊2は10%圧縮荷重です。　●50%圧縮残留歪の＊3は25%圧縮荷重です。

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | スタンダード | | | | | | | 難燃 | | | | 標準 | | | 高シール | | | | 高難燃 | 低反発 | | | | | | | 高強度 | ソフト | | 防水 | | | 難燃 | | | 極薄 | 高グリップ | | | | | | 高摺動 | |
| サイズ | | タイプ | LE | L | | H | | | HH | MS | ML | MH | NU | TR | | | ATR | | | | RX | SR- S | | | | | | | TSR | SS | | WP | | | MS | | MH | EXT | CH | | MX | | | HH | LE | |
| 厚み (mm) | 幅 (mm) | 長さ (M) | 20 | 24 | 32 | 24 | 32 | 48 | 48 | 40 | 32 | 32 | 60 | 20 | 24 | 32 | 24 | 24PR | 32 | 32PR | 32 | 15P | 20P | 24P | 32P | 40P | 48P | 70P | 15P | 24P | 32P | 24P | 32P | 40P | 40P | 40PR | 48P | | 32EG | 48EG | 40EG | 48EG | 48HF | 48C | 20LF | 厚み (mm) |
| 0.1 | 500 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ○ | | | | | | | | 0.1 |
| 0.15 | 〃 | 〃 | | | | | | | | | | | | | | | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | 0.15 |
| 0.2 | 〃 | 〃 | | | | | | | | | | | | | | | | | | | | | | | ○ | | | ○ | | | | | | | | | | | | | | | | | | 0.2 |
| 0.3 | 〃 | 〃 | | | | | | | | | | | | | | | | | | | | | ○ | | | | ○ | | | | | | ○ | ○ | | | ○ | | | | | | | | 0.3 |
| 0.4 | 〃 | 〃 | | | | | | | | | | | | | | | | | | | | | □ | | | ○ | | | | | | | | | □ | | | | | | | | | | | 0.4 |
| 0.45 | 〃 | 〃 | | | | | | △ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.45 |
| 0.5 | 〃 | 〃 | | | | | | ○ | | | | | | | | | | | | | | ○ | | | □ | ◎ | | | ○ | | ◎ | □ | ○ | ○ | ○ | □ | | | | | | | | | 0.5 |
| 0.6 | 〃 | 50 | | | | | | | | | | | | | | | | | | | | | | | ○ | □ | | | | | | | | | □ | | | | | | | | | | | 0.6 |
| 0.7 | 〃 | 〃 | | | | | | | | | | | ◎ | | | | | | | | | □ | | ○ | ○ | ○ | | | □ | | | | | | □ | □ | | | | | | | | | | | 0.7 |
| 0.8 | 〃 | 〃 | | | | | | ◎ | ◎ | | | | | | | | | | | | | | | ○ | □ | □ | | | | | | | | | □ | | | | | ○ | ○ | ○ | ◎ | ◎ | | 0.8 |
| 0.9 | 〃 | 〃 | | | | | | | | ◎ | | | | | | | | | | | | | | ○ | □ | □ | | | | | | | | | □ | | | | | | | | | | | 0.9 |
| 1.0 | 〃 | 〃 | | | | | | ◎ | ◎ | ◎ | | | ◎ | | | ◎ | | | ◎ | ○ | | ○ | | □ | □ | ◎ | | | □ | ◎ | | ○ | ○ | ○ | ○ | □ | | | | ○ | ○ | ○ | ◎ | ◎ | | 1.0 |
| 1.2 | 〃 | 〃 | | | | | | ◎ | ◎ | △ | | | △ | | | | | | | | | | | | | | | | | | | | | | | | | | | | △ | △ | △ | ◎ | | 1.2 |
| 1.5 | 〃 | 〃 | | | ◎ | | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | | | | ◎ | | | ◎ | ○ | | □ | | □ | ○ | □ | | | | | | □ | ○ | □ | | | | | ○ | ○ | ○ | ○ | ◎ | ◎ | | 1.5 |
| 2.0 | 〃 | 〃 | ◎ | | ◎ | | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ | | ◎ | ◎ | ◎ | ◎ | ○ | ◎ | ○ | ◎ | □ | | □ | ◎ | | | | | | | □ | ○ | ○ | | | | | ○ | ○ | ○ | ○ | ◎ | ◎ | ◎ | 2.0 |
| 3.0 | 〃 | 〃 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ ※2 | ◎ ※2 | △ | ◎ | ◎ | | ◎ | ◎ | ◎ | ◎ ※1 | ○ ※1 | ◎ ※1 | ○ ※1 | ◎ | | | ◎ | | | | | | | | | | | | | | | | ○ | ○ ※2 | ○ ※2 | ○ ※2 | ◎ ※2 | ◎ ※2 | ◎ | 3.0 |
| 4.0 | 〃 | 40 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ ※4 | ◎ ※4 | △ | ◎ | △ | | ◎ | ◎ | △ | ◎ ※3 | ○ ※3 | △ ※3 | △ ※3 | ◎ | | | | | | | | | | | | | | | | | | ○ | ○ ※4 | △ ※4 | | | ◎ ※4 | ◎ | 4.0 |
| 5.0 | 〃 | 30 | ◎ | ◎ | ◎ | ◎ | ◎ | | ◎ ※5 | | ◎ | △ | | ◎ | ◎ | △ | ◎ ※4 | ○ ※4 | △ ※4 | △ ※4 | ◎ | | | | | | | | | | | | | | | | | | ○ | | ○ ※5 | | | ◎ ※5 | △ | 5.0 |
| 6.0 | 〃 | 25 | ◎ | ◎ | ◎ | ◎ | ◎ | | △ ※8 | | ◎ | △ | | ◎ | △ | | △ ※5 | | | | △ | | | | | | | | | | | | | | | | | | ○ | | | | | △ ※8 | △ | 6.0 |
| 8.0 | 〃 | 20 | | ◎ | | ◎ | | | | | | | | | △ | | △ ※6 | | | | △ | | | | | | | | | | | | | | | | | | | | | | | | | | 8.0 |
| 10.0 | 〃 | 15 | | ◎ | | ◎ | | | | | | | | | △ | | △ ※7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10.0 |
| 12.0 | 〃 | 10 | | ◎ | | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12.0 |
| 15.0 | 〃 | 〃 | | ◎ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15.0 |
| 標準色 | | | 黒 | | | | | | | 黒 | 黒・白 | | 黒 | 黒 | | | | | | | | 黒 | | | | | | | | | | | | | | | | 黒 | | | | | | | | 標準色 |

●記号　◎ 標準品　○ 準標準品（ロット1R）　△ 受注生産品（ロット250m ²）　□ 受注生産品（ロット500m ²）　●巻数　※1:45M巻　※2:40M巻　※3:35M巻　※4:25M巻　※5:20M巻　※6:15M巻　※7:10M　巻　※8:1M（ロット200シート）
●青色記号はUL94 HBFに、赤色記号はUL94 V-0に合格しています。　●　は自動車内装の難燃規格、FMVSS No.302の合格実績があります。