TECHNICAL DATASHEET

# TRIEL® AS5401BM

TPEE

| PROPERTY | UNIT | ASTM METHOD | TYPICAL DATA |
|---|---|---|---|
| PHYSICAL | | | |
| Specific Gravity | - | D792 | 1.15 |
| Water Absorption (24 hours at 23℃) | % | D570 | 0.45 |
| Melt Flow Rate (230℃, 2.16kg) | g/10min | D1238 | 1 |
| Melt Flow Rate (230℃, 10kg) | g/10min | | 8 |
| MECHANICAL | | | |
| Tensile Strength at yield | $kg_f/㎠$ | D638 | 230 |
| Tensile Elongation at break | % | D638 | >400 |
| Flexural Strength at yield | $kg_f/㎠$ | D790 | 40 |
| Flexural Modulus | $kg_f/㎠$ | D790 | 650 |
| Izod Impact Strength, notched, 23℃ (1/8") | $kg_f·㎝/㎝$ | D256 | No Break |
| Hardness (Shore D) | Shore D | | 40 |
| THERMAL | | | |
| HDT, 4.6 ㎏f/㎠ | ℃ | | 56 |
| Vicat softening temperature | ℃ | | 155 |
| ELECTRICAL | | | |
| OTHERS | | | |
| Mold Shrinkage (3mm thickness) | % | D955 | 1.5~1.7 |

※ The figures listed in this table are typical values obtained under the standard test methods and may not be applicable for products that are under different application condition.

PROCESSING GUIDE

# TRIEL® AS5401BM GRADE

TPEE

- General processing conditions for TRIELAS5401BM are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

| SPECIFICATION | UNIT | CONDITIONS |
|---|---|---|
| Drying Temperature | ℃ | 100~110 |
| Drying Time | hr | 3~4 |
| Moisture Content, Max | % | 0.02 |
| Melt Temperature | ℃ | 220~250 |
| Nozzle Temperature | ℃ | 220~250 |
| Front Temperature | ℃ | 220~250 |
| Middle Temperature | ℃ | 220~250 |
| Rear Temperature | ℃ | 200~220 |
| Mold Temperature | ℃ | 30~50 |
| Back Pressure | MPa | 0.0~0.1 |
| Screw Speed | rpm | 10~50 |
| Vent Depth | mm | 0.02~0.08 |

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