TECHNICAL DATASHEET

# TRIEL® 5405LM

TPEE

| PROPERTY | UNIT | ASTM METHOD | TYPICAL DATA |
|---|---|---|---|
| **PHYSICAL** | | | |
| Specific Gravity | - | D792 | 1.13 |
| Water Absorption (24 hours at 23℃) | % | D570 | 0.5 |
| Melt Flow Rate (230℃, 2.16kg) | g/10min | D1238 | 16.0 |
| **MECHANICAL** | | | |
| Tensile Strength at yield | $kg_f/㎠$ | D638 | 50(@5%), 70(@10%), 100(@50%), 170(@Max load) |
| Tensile Elongation at break | % | D638 | >400 |
| Flexural Strength at yield | $kg_f/㎠$ | D790 | 37.0 |
| Flexural Modulus | $kg_f/㎠$ | D790 | 620.0 |
| Izod Impact Strength, notched, 23℃ (1/8") | $kg_f·㎝/㎝$ | D256 | No Break |
| Hardness (Shore D) | Shore D | | 40.0 |
| **THERMAL** | | | |
| HDT, 4.6 kgf/㎠ | ℃ | | 57.0 |
| **ELECTRICAL** | | | |
| **OTHERS** | | | |
| Mold Shrinkage | % | | 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.