

PETG(RPGT)

Description:

PETG is a transform version of APET. With its non-crystallize characteristic, it does not form crystal during vacuum forming process. It is suitable for ultrasonic sealing, high frequency sealing and solvent sealing.

Features:

Excellent chemical resistance

Excellent clarity and gloss

Excellent die cutting

Excellent thermoforming

Excellent impact resistance



| PHYSICAL PROPERTIES | UNIT | TEST METHOD | TYPICAL VALUES |
|---------------------|-------------------|--------------------------|--------------------|
| Thickness | mm | RPC-001 | 0.20~1.00 |
| Gloss Value | % | ASTM D523 at 60° | 150 ↑ |
| Haze Value | % | ASTM D1003 | 2 ↓ |
| Transparency | % | ASTM D1003 | 90 ↑ |
| Specific Gravity | g/cm ³ | ASTM D792 | 1.32 |
| Tensile Strength | psi | ASTM D882 | 7000 min |
| Elongation | % | ASTM D882 | 100 ↑ |
| Heating Shrinkage | % | ASTM D1024 at 100°C × 5' | CD 0 ↓ |
| | | | MD -6 ↓ |
| Thickness Tolerance | % | RPC-001 | 0.20~0.50: ±5, |
| | | | 0.51~1.00: ±3 |

| | | | |
|---------------|------------------------|---------------|-----|
| Izod Impact | ft-lb/in of notch 1/8" | ASTM D256 | 1 |
| TG Value | | TESTED BY DSC | 80 |
| Melting Point | °C | TESTED BY DSC | 240 |