

COSMOTHENE® G811

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE G811 has excellent gloss and moldability.
Lid, toy, sundry and many others injection molding usages.

| General Information | | | |
|----------------------------|----------------------------|-------------------|-----------------|
| Features | Good Moldability | | |
| | High Gloss | | |
| Uses | Lids | | |
| | Toys | | |
| Agency Ratings | FDA 21 CFR 177.1520(c) 2.1 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.917 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 21 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 11.8 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 600 | % | ASTM D638 |
| Apparent Bending Modulus | 180 | MPa | ASTM D747 |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature | 106 | °C | Internal Method |

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