

# Dynacom 104-G30HF

Polybutylene Terephthalate

Dynachem Co. Ltd.

## Message:

Dynacom 104-G30HF is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific. Primary attribute of Dynacom 104-G30HF: Flame Rated.

| General Information                                     |                                 |                   |             |
|---------------------------------------------------------|---------------------------------|-------------------|-------------|
| UL File Number                                          | E164708                         |                   |             |
| Physical                                                | Nominal Value                   | Unit              | Test Method |
| Specific Gravity                                        | 1.54                            | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow <sup>1</sup>                   | 0.30 to 1.0                     | %                 | ASTM D955   |
| Water Absorption (23°C, 24 hr)                          | 0.070                           | %                 | ASTM D570   |
| Mechanical                                              | Nominal Value                   | Unit              | Test Method |
| Tensile Strength <sup>2</sup>                           | 85.0                            | MPa               | ASTM D638   |
| Tensile Elongation <sup>3</sup> (Break)                 | 4.0                             | %                 | ASTM D638   |
| Flexural Modulus <sup>4</sup>                           | 9020                            | MPa               | ASTM D790   |
| Flexural Strength <sup>5</sup>                          | 127                             | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value                   | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.20 mm)                     | 59                              | J/m               | ASTM D256   |
| Thermal                                                 | Nominal Value                   | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 205                             | °C                | ASTM D648   |
| Flammability                                            | Nominal Value                   |                   | Test Method |
| Flame Rating                                            | V-0                             |                   | UL 94       |
| NOTE                                                    |                                 |                   |             |
| 1.                                                      | Thickness: Thickness: 2 to 3 mm |                   |             |
| 2.                                                      | 5.0 mm/min                      |                   |             |
| 3.                                                      | 5.0 mm/min                      |                   |             |
| 4.                                                      | 3.0 mm/min                      |                   |             |
| 5.                                                      | 3.0 mm/min                      |                   |             |

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