

# Dynacom 701-G40

Polypropylene Copolymer

Dynachem Co. Ltd.

Message:

Dynacom 701-G40 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific.

| General Information                                      |                      |                   |                         |
|----------------------------------------------------------|----------------------|-------------------|-------------------------|
| UL YellowCard                                            |                      | E164708-101841149 |                         |
| Physical                                                 | Nominal Value        | Unit              | Test Method             |
| Specific Gravity                                         | 1.21                 | g/cm <sup>3</sup> | ASTM D792               |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 3.0                  | g/10 min          | ASTM D1238              |
| Molding Shrinkage - Flow <sup>1</sup>                    | 0.40 to 0.60         | %                 | ASTM D955               |
| Water Absorption (23°C, 24 hr)                           | < 0.020              | %                 | ASTM D570               |
| Hardness                                                 | Nominal Value        | Unit              | Test Method             |
| Rockwell Hardness (R-Scale)                              | 110                  |                   | ASTM D785               |
| Mechanical                                               | Nominal Value        | Unit              | Test Method             |
| Tensile Strength <sup>2</sup>                            | 108                  | MPa               | ASTM D638               |
| Tensile Elongation <sup>3</sup> (Break)                  | 6.0                  | %                 | ASTM D638               |
| Flexural Modulus <sup>4</sup>                            | 7350                 | 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)                      | 93                   | J/m               | ASTM D256               |
| Thermal                                                  | Nominal Value        | Unit              | Test Method             |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 160                  | °C                | ASTM D648               |
| Vicat Softening Temperature                              | 160                  | °C                | ASTM D1525 <sup>6</sup> |
| Electrical                                               | Nominal Value        | Unit              | Test Method             |
| Volume Resistivity                                       | 1.0E+16              | ohms · cm         | ASTM D257               |
| Dielectric Strength (1.00 mm)                            | 40                   | kV/mm             | ASTM D149               |
| Arc Resistance                                           | 130                  | sec               | ASTM D495               |
| NOTE                                                     |                      |                   |                         |
| 1.                                                       | Thickness: 2 to 3 mm |                   |                         |
| 2.                                                       | 50 mm/min            |                   |                         |
| 3.                                                       | 50 mm/min            |                   |                         |
| 4.                                                       | 3.0 mm/min           |                   |                         |
| 5.                                                       | 3.0 mm/min           |                   |                         |
| 6.                                                       | Loading 1 (10 N)     |                   |                         |

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