

# Network Polymers Polyester NPP 60-2008

## PETG

Polyethylene Terephthalate Glycol Comonomer

Network Polymers, Inc.

### Message:

Network Polymers Polyester NPP 60-2008 PETG is a Polyethylene Terephthalate Glycol Comonomer (PETG) product. It is available in North America. Primary characteristic: copolymer.

| General Information                                              |                   |                   |             |
|------------------------------------------------------------------|-------------------|-------------------|-------------|
| Features                                                         | Copolymer         |                   |             |
| Appearance                                                       | Clear/Transparent |                   |             |
| Physical                                                         | Nominal Value     | Unit              | Test Method |
| Specific Gravity                                                 | 1.27              | g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                                       | Nominal Value     | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                            | 50.3              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                                       | 140               | %                 | ASTM D638   |
| Flexural Modulus - Tangent <sup>2</sup>                          | 2100              | MPa               | ASTM D790   |
| Impact                                                           | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (23°C)                                       | 100               | J/m               | ASTM D256   |
| Instrumented Dart Impact                                         | 32.5              | J                 | ASTM D3763  |
| Thermal                                                          | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm) | 63.9              | °C                | ASTM D648   |
| Optical                                                          | Nominal Value     | Unit              | Test Method |
| Transmittance                                                    | 89.0              | %                 | ASTM D1003  |
| Haze                                                             | 0.50              | %                 | ASTM D1003  |
| NOTE                                                             |                   |                   |             |
| 1.                                                               | Type I, 51 mm/min |                   |             |
| 2.                                                               | 1.3 mm/min        |                   |             |

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