

## Thermylene® P7-20FG-0610

Asahi Kasei Plastics North America Inc. - *Polypropylene*

### General Information

#### Product Description

This is 20% glass-fiber reinforced Polypropylene compound engineered to deliver good balance of properties and is suited for applications requiring heat stability.

#### General

|                        |                                     |                 |                 |
|------------------------|-------------------------------------|-----------------|-----------------|
| Material Status        | • Commercial: Active                |                 |                 |
| Availability           | • Africa & Middle East              | • Europe        | • North America |
|                        | • Asia Pacific                      | • Latin America |                 |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |                 |                 |
| Additive               | • Heat Stabilizer                   |                 |                 |
| Features               | • Heat Stabilized                   |                 |                 |
| Uses                   | • High Temperature Applications     |                 |                 |

### Properties <sup>1</sup>

| Physical                                                | Nominal Value | Unit                  | Test Method |
|---------------------------------------------------------|---------------|-----------------------|-------------|
| Density                                                 | 1.04          | g/cm <sup>3</sup>     | ISO 1183/A  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)               | 2.7           | g/10 min              | ISO 1133    |
| Mechanical                                              | Nominal Value | Unit                  | Test Method |
| Tensile Stress                                          | 11000         | psi                   | ISO 527-2   |
| Flexural Modulus                                        | 631000        | psi                   | ISO 178     |
| Flexural Stress                                         | 16400         | psi                   | ISO 178     |
| Impact                                                  | Nominal Value | Unit                  | Test Method |
| Charpy Notched Impact Strength (73°F)                   | 4.3           | ft·lb/in <sup>2</sup> | ISO 179     |
| Thermal                                                 | Nominal Value | Unit                  | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 291           | °F                    | ISO 75-2/A  |

