

# Jampilen HA840K

Polypropylene Homopolymer

Jam Polypropylene Company

## Message:

Jampilen HA840K is a new polypropylene type which features extremely high stiffness, high gloss, good transparency and improved characteristics at high temperatures. It has been especially developed for extrusion, thermoforming and film applications where high rigidity, outstanding transparency and very good thermal characteristics are needed. The composition of the product complies well with FDA norms and with regulations concerning food contact applications in major European countries.

| General Information |                         |
|---------------------|-------------------------|
| Features            | Food Contact Acceptable |
|                     | Good Thermal Stability  |
|                     | High Clarity            |
|                     | High Gloss              |
|                     | High Heat Resistance    |
|                     | High Rigidity           |
|                     | High Stiffness          |
|                     | Homopolymer             |
| Uses                | Containers              |
|                     | Food Containers         |
| Agency Ratings      | FDA Unspecified Rating  |
| Appearance          | Clear/Transparent       |
| Processing Method   | Film Extrusion          |
|                     | Sheet Extrusion         |
|                     | Thermoforming           |

| Physical                                  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Density                                   | 0.900         | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 3.5           | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)               | 111           |                   | ASTM D785   |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield)                  | 40.0          | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                | 5.0           | %                 | ASTM D638   |
| Flexural Modulus                          | 2200          | MPa               | ASTM D790   |
| Impact                                    | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 40            | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value | Unit              | Test Method |


| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 118              | °C   | ASTM D648               |
|--|------------------|------|-------------------------|
| Vicat Softening Temperature                              | 158              | °C   | ASTM D1525 <sup>1</sup> |
| Accelerated Oven Ageing (150°C)                          | 360              | hr   | ASTM D3012              |
| Optical  | Nominal Value    | Unit | Test Method             |
| Gloss  | 65               |      | ASTM D2457              |
| Haze   | 22               | %    | ASTM D1003              |
| NOTE   |                  |      |                         |
| 1.   | Loading 1 (10 N) |      |                         |

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