

## HOPELEN Y-120H

PP HOMOPOLYMER

### General Information

#### Description

Y-120H is a high stiffness polypropylene homopolymer with a narrow molecular weight distribution, design for stretched products such as flat yarn  
It complies with FDA regulation

#### Applications

- Flat yarns for woven bags, tape and rope

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

| Physical  | Test Method | Nominal Values |                     |       |     |
|---|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index                                       | ASTM D1238  | 2.0            | g/10min             |       |     |
| Density   | ASTM D792   | 0.90           | g/cm <sup>3</sup>   |       |     |
| <b>Mechanical</b>                                     |             |                |                     |       |     |
| Tensile Stress (Yield)                                | ASTM D638   | 350            | kgf/cm <sup>2</sup> | 34    | MPa |
| Tensile Strain (Break)                                | ASTM D638   | >500           | %                   |       |     |
| Flexural Modulus                                      | ASTM D790   | 16,000         | kgf/cm <sup>2</sup> | 1,560 | MPa |
| Rockwell Hardness                                     | ASTM D785   | 103            | R                   |       |     |
| <b>Impact</b>   |             |                |                     |       |     |
| Notched Izod Impact Strength (23 °C)                  | ASTM D256   | 3.5            | kgf-cm/cm           | 34    | J/m |
| <b>Thermal</b>  |             |                |                     |       |     |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ASTM D648   | 118            | °C                  |       |     |
| VICAT Softening Point                                 | ASTM D1525  | 152            | °C                  |       |     |

### NOTE

ISO 9001, 14001

<sup>1</sup> Physical Properties : these are not to be construed as specifications