

**YUHWHA POLYPRO HJ4045**

PP

Korea Petrochemical Ind. Co., Ltd

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ASTM Data</b>                           |              |             |                      |
| Melt Flow Index, MFI                       | <b>45</b>    | g/10min     | ASTM D 1238          |
| Mold Shrinkage, MD                         | <b>0.016</b> | mm/mm       | ASTM D 955           |

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Strength at Yield    | <b>41.2</b>  | MPa         | ASTM D 638           |
| Elongation at Break          | <b>40</b>    | %           | ASTM D 638           |
| Flexural Modulus             | <b>2060</b>  | MPa         | ASTM D 790           |
| Rockwell Hardness            | <b>R 110</b> | -           | ASTM D 785           |
| Izod Impact notched, 1/8 in  | <b>29</b>    | J/m         | ASTM D 256           |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>HB</b>    | -           | UL 94                |
| Melting Temperature       | <b>167</b>   | °C          | ASTM D 3418          |
| Vicat Temperature         | <b>156</b>   | °C          | ASTM D 1525          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>910</b>   | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Homopolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Electrical and Electronical

**Regional Availability**

Asia Pacific