

**YUHWHA POLYPRO CB5108H**

PP

Korea Petrochemical Ind. Co., Ltd

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

| Mechanical properties                | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| <b>ASTM Data</b>                     |       |      |               |
| Tensile Strength at Yield            | 32.4  | MPa  | ASTM D 638    |
| Elongation at Break                  | 200   | %    | ASTM D 638    |
| Flexural Modulus                     | 1668  | MPa  | ASTM D 790    |
| Rockwell Hardness                    | R 100 | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in          | 98.1  | J/m  | ASTM D 256    |
| Izod Impact notched, Low-Temperature | 29    | J/m  | ASTM D 256    |
| Temperature                          | -20   | °C   | -             |

| Thermal properties  | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| <b>ASTM Data</b>    |       |      |               |
| Melting Temperature | 167   | °C   | ASTM D 3418   |
| Vicat Temperature   | 153   | °C   | ASTM D 1525   |

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

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Features**

Copolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Asia Pacific