

**HP500L**

PP

Rayomand Petroleum and Energy Commercial Co.

| Processing/Physical Characteristics | Value       | Unit    | Test Standard |
|-------------------------------------|-------------|---------|---------------|
| <b>ASTM Data</b>                    |             |         |               |
| Melt Flow Index, MFI                | <b>6</b>    | g/10min | ASTM D 1238   |
| Temperature                         | <b>230</b>  | °C      | -             |
| Load                                | <b>2.16</b> | kg      | -             |

| Mechanical properties       | Value       | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| <b>ASTM Data</b>            |             |      |               |
| Tensile Strength at Yield   | <b>35</b>   | MPa  | ASTM D 638    |
| Elongation at Yield         | <b>10</b>   | %    | ASTM D 638    |
| Flexural Modulus            | <b>1500</b> | MPa  | ASTM D 790    |
| Rockwell Hardness           | <b>R 99</b> | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in | <b>40</b>   | J/m  | ASTM D 256    |

| Thermal properties | Value      | Unit | Test Standard |
|--------------------|------------|------|---------------|
| <b>ASTM Data</b>   |            |      |               |
| DTUL @ 66 psi      | <b>94</b>  | °C   | ASTM D 648    |
| Vicat Temperature  | <b>154</b> | °C   | ASTM D 1525   |

| Other properties | Value      | Unit              | Test Standard |
|------------------|------------|-------------------|---------------|
| Density          | <b>900</b> | kg/m <sup>3</sup> | ASTM D 792    |

**Characteristics****Processing**

Injection Molding

**Features**

Homopolymer

**Certifications**

Food contact

**Applications**

Automotive, Toys

**Regional Availability**

Asia Pacific