

SHAZAND Petrochemical Company

## POLY PROPYLENE

### Moplen HP500J (Injection Moulding)

| Typical properties          | Test method (ASTM) | Unit     | Value |
|-----------------------------|--------------------|----------|-------|
| MFR @230°C, 2.16 kg         | D1238/L            | gr/10min | 3     |
| Flexural Modulus            | D790               | Mpa      | 1350  |
| Notched Izod Impact@23°C    | D256               | J/m      | 35    |
| Tensile Strength@Yield      | D638               | Mpa      | 35    |
| Elongation@Yield            | D638               | %        | 12    |
| Vicat Softening Point, 10N  | D1525              | °C       | 156   |
| HDT(0.46N/mm <sup>2</sup> ) | D648               | °C       | 94    |
| Rockwell Hardness           | D785               | R.Scale  | 102   |
| Oven Aging@150°C            | D3012              | Hours    | 360   |

➤ Values shown are averages & are not to be considered as product specifications.

#### ❖ Main application & Characteristics:

Moplen HP500J is a polypropylene homo-polymer for injection moulding applications.

Moplen HP500J combines high stiffness & fairly good impact strength with good process ability.

The grade is suitable for a wide range of applications such as house wares, caps, closures, small containers, toys ,parts for small appliances & components for the automotive industry.

Moplen HP500J is also used for compounding.

\* Moplen HP500J is suitable for food contact.



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