



Arak Petrochemical Company



ISO 9001:2000  
Certificate No.: CH98/8032

ISO 14001:2004  
Certificate No.: CH03/0112

OHSAS 18001:1999  
Certificate No.: CH05/0675

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## Polypropylene Moplen HP565S (Fibre)

| Typical properties               | Test method (ASTM) | Unit     | Value |
|----------------------------------|--------------------|----------|-------|
| MFI@230°C, 2.16 kg               | D1238/L            | gr/10min | 38    |
| Flexural Modulus                 | D 790              | MPa j/m  | 1600  |
| Tensile Strength@Yield           | D 256              | Mpa      | 30    |
| Tensile Modulus                  | D 638              | %        | 38    |
| Elongation@Break                 | D 638              | °C       | 8     |
| Flexural Modulus                 | D 1525             | °C       | 153   |
| Hardness Shore D                 | D 648              | R.Scale  | 100   |
| Charpy Impact Resistance (Notch) | D 785              | Hours    | 98    |
| Oven Aging @ 150°C               | D 3012             |          | 150   |

¼ Values shown are averages & are not to be considered as product specifications.

### ™ Main application & Characteristics:

**Moplen HP565S** is a high melt flow rate homo polymer with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spun-bonded, nonwoven fabrics.

The major application for spunbonded fabrics made of Moplen HP565S are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial, and medical applications, backing and lining for the furniture and carpet industries

This grade can also be used for the production of partially oriented yarn, bulked continuous filament and thin wall packaging.

Moplen HP565S is suitable for food contact.