

# Moplen HP5035

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP5035 is a polypropylene homopolymer with excellent processability and high mechanical properties, typical customer application is LWRT (low weight reinforced thermoplastic) of automotive parts.

| General Information                                      |  |                   |
|--|--|-------------------|
| Features   | Workability, good  |                   |
| Uses   | Application in Automobile Field<br>Automotive exterior parts |                   |
| Processing Method  | Composite  |                   |
| Physical   | Nominal Value  | Unit              |
| Density  | 0.900  | g/cm <sup>3</sup> |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 100  | g/10 min          |
| Hardness   | Nominal Value  | Unit              |
| Rockwell Hardness (R-Scale)                              | 102  |                   |
| Mechanical   | Nominal Value  | Unit              |
| Tensile Strength (Yield)                                 | 33.0   | MPa               |
| Tensile Elongation (Yield)                               | 8.0  | %                 |
| Flexural Modulus   | 1400   | MPa               |
| Impact   | Nominal Value  | Unit              |
| Notched Izod Impact (23°C)                               | 20   | J/m               |
| Thermal  | Nominal Value  | Unit              |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 110  | °C                |

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