

# MACOMASS PP MM-PP HK 82

Polypropylene Homopolymer

MACOMASS Verkaufs AG

Message:

MACOMASS PP MM-PP HK 82 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Europe.

Important attributes of MACOMASS PP MM-PP HK 82 are:

- Flame Rated
- Flame Retardant
- Homopolymer

| General Information                       |                 |                   |             |
|-------------------------------------------|-----------------|-------------------|-------------|
| Features                                  | Flame Retardant |                   |             |
|                                           | Halogenated     |                   |             |
|                                           | Homopolymer     |                   |             |
| Appearance                                | Natural Color   |                   |             |
| Forms                                     | Pellets         |                   |             |
| Physical                                  | Nominal Value   | Unit              | Test Method |
| Density                                   | 0.920 to 0.960  | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 15 to 19        | g/10 min          | ISO 1133    |
| Hardness                                  | Nominal Value   | Unit              | Test Method |
| Ball Indentation Hardness (H 358/30)      | 137             | MPa               | ISO 2039-1  |
| Mechanical                                | Nominal Value   | Unit              | Test Method |
| Tensile Stress (Yield)                    | 30.0            | MPa               | ISO 527-2   |
| Tensile Strain (Break)                    | 20              | %                 | ISO 527-2   |
| Flexural Modulus                          | 1750            | MPa               | ISO 178     |
| Impact                                    | Nominal Value   | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)     | 3.0             | kJ/m <sup>2</sup> | ISO 179     |
| Charpy Unnotched Impact Strength (23°C)   | 40              | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                   | Nominal Value   | Unit              | Test Method |
| Heat Deflection Temperature               |                 |                   |             |
| 0.45 MPa, Unannealed                      | 95.0            | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                       | 55.0            | °C                | ISO 75-2/A  |
| Flammability                              | Nominal Value   | Unit              | Test Method |
| Flame Rating                              |                 |                   | UL 94       |
| 1.60 mm                                   | V-2             |                   |             |
| 3.20 mm                                   | V-2             |                   |             |
| Glow Wire Ignition Temperature            |                 |                   | VDE 0471/2  |
| 1.60 mm                                   | 960             | °C                |             |
| 3.20 mm                                   | 960             | °C                |             |

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