Technical Data Sheet

# *Moplen* PPU1752HL23

Polypropylene, Impact Copolymer

## Product Description

*Moplen* PPU 1752HL23 is copolymer polypropylene. The grade features medium rigidity and medium impact. Typical customer applications are automotive interior trims. The grade is UVStabilized for interior applications. The grade is available in natural, pellet form.

| | |
|---|---|
| **Status** | Commercial: Active |
| **Availability** | Africa-Middle East; Asia-Pacific; Europe; South & Central America |
| **Application** | Interior Automotive Applications |
| **Market** | Automotive |
| **Attribute** | CAE data available: See "Notes"; Copolymer; Good Surface Finish; Good UV Resistance; High Flow |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 15 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm³ | ISO 1183-1 |
| **Mechanical** | | | |
| Flexural Modulus | 1100 | MPa | ISO 178 |
| Tensile Stress at Break | 17 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 24 | MPa | ISO 527-1, -2 |
| Tensile Strain at Yield | 7 | % | ISO 527-1, -2 |
| **Impact** | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 10 | kJ/m² | ISO 179 |
| (0 °C, Type 1, Edgewise, Notch A) | 5 | kJ/m² | ISO 179 |
| (-20 °C, Type 1, Edgewise, Notch A) | 4 | kJ/m² | ISO 179 |
| **Thermal** | | | |
| Vicat Softening Temperature, (A50) | 148 | °C | ISO 306 |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 78 | °C | ISO 75B-1, -2 |



Manufacturer website: https://www.lyondellbasell.com/en/