



## Moplen HP456J

### Polypropylene, Homopolymer

#### Product Description

Moplen HP456J is used in extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Typical applications are monofilaments, ropes and tapes. For regulatory information please refer to Moplen HP456J Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Tapes & Raffia
<b>Features</b>	Homopolymer
<b>Typical Customer Applications</b>	Raffia/Tapes/Strapping

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	3.4	g/10 min
<b>Mechanical</b>			
Tensile Stress at Break	ISO 527-1, -2	23	N/mm <sup>2</sup>
Tensile Stress at Yield	ISO 527-1, -2	34	N/mm <sup>2</sup>
Tensile Strain at Break	ISO 527-1, -2	>500	%
Tensile Strain at Yield	ISO 527-1, -2	11	%
Flexural modulus	ISO 178	1400	N/mm <sup>2</sup>
<b>Impact</b>			
Charpy unnotched impact strength (23 °C)	ISO 179	190	kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C)	ISO 179	4.0	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	153	°C
(B50 (50°C/h 50N))		93	°C

#### Notes

Typical properties; not to be construed as specifications.