

# HP456J

## Homopolymer

**Description:**

HP456J is a homopolymer, suitable for extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. HP456J is designed for production of ropes and tapes for carpet backing.

**Typical Applications**

- Raffia, tapes, strapping
- Artificial grass
- Geotextile and agriculture

**Features:** Good stretchability, Low water carryover

**Suitable for:** Fiber Extrusion (Raffia, Tape, Monofilament) & Extrusion (Sheet)

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	3.4	g/10 min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Tensile Modulus (1 mm/min)	1500	MPa	ISO 527-1, -2
Tensile strength at Yield (50 mm/min)	34	MPa	ISO 527-1, -2
Tensile elongation at Break (50 mm/min)	>50	%	ISO 527-1, -2
Tensile elongation at Yield (50 mm/min)	10	%	ISO 527-1, -2
Charpy impact strength (Notch A) at 23 °C	4.0	kJ/m <sup>2</sup>	ISO 179
Vicat softening point A50	154	°C	ISO 306
H.D.T. B (0.45 MPa)	97	°C	ISO 75B-1, -2

\* Typical values; not to be considered as product specification.