

# HP552N

## Homopolymer

**Description:**

HP552N is a homopolymer that used in extrusion applications. It is formulated with an anti-gasfading stabilization package. HP552N is used in the production of continuous filaments and fine denier staple fibers. Typical applications are carpets and nonwovens.

**Typical Applications**

- Nonwoven staple fibers
- Staple fiber
- Filament yarn
- Hygiene nonwoven
- Wipes, tissues
- Cast film

**Features:** Gas-fading Resistant

**Suitable for:** Fiber extrusion (Continuous Filament/Spinning), Staple fiber, Cast Film

**Product Specification**

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	13	g/10 min	ISO 1133
Density	0.9	g/cm <sup>3</sup>	ISO 1183
Tensile Modulus	1500	MPa	ISO 527-1, -2
Tensile strength at Yield	33	MPa	ISO 527-1, -2
Tensile elongation at Break	>50	%	ISO 527-1, -2
Tensile elongation at Yield	11	%	ISO 527-1, -2
Vicat softening point A50	153	°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.