

HP557N

Homopolymer

Description:

HP557N is a medium-high fluidity homopolymer designed for the production of staple fibers and exhibits excellent antigasfading properties. HP557N offers high process stability and good thermal-bonding ability. HP557N is mainly used for the production of staple fibers for nonwoven fabrics for feminine care products, diapers, medical disposables, wipes, filters and linings. HP557N is suitable for food contact.

Typical Applications

- Staple fibers for non-woven fabrics
- Feminine care products
- Diapers,
- Medical disposables
- Wipes, filters and linings

Features: High process stability, Good thermal-bonding ability

Suitable for: Fiber Extrusion (Staple)

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	12	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	102	R Scale	ASTM D785
Vicat softening point (10 N)	154	°C	ASTM D1525
H.D.T. (0.46 MPa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	150	h	ASTM D3012

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