



Technical Datasheet HP 510L

Product Description:

Moplen HP510L is a polypropylene homo-polymer with good flow properties and is particularly suitable for the extrusion of film yarn, monofilaments, cast film and sheet. Moplen HP510L combines outstanding process ability with good mechanical properties. Moplen HP510L is particularly suitable to produce film yarn with the cast film process. Film yarn of Moplen HP510L is suitable for baler twins, packaging twins and ropes. Moplen HP510L is well suited for the production of monofilament used for instance in brush and broom filling and technical applications. Other applications of Moplen HP510L are monolayer or co-extruded film for packaging, thin sheet for stationary folders and sheets for thermoforming. Moplen HP510L is also used for the extrusion of straws.

Applications:

Yarn

Cast film

Monofilament

Mono-layer or co-extruded film

straw

Typical data:

Property	Test method	Unit	value
Melt Flow Rate (230 °C, 2.16 kg)	ASTM D 1238	gr/10min	6
Vicat softening point (9.8N)	ASTM D 1525	°C	155
H.D.T (0.46 MPa)	ASTM D648	°C	95
Flexural modulus	ASTM D 790	MPa	1500
Tensile strength at yield	ASTM D 638	MPa	35
Elongation at yield	ASTM D 638	%	13
Izod impact strength (notched) at 23 °C	ASTM D 256	J/m	40