

# Jampilen HP502P

## Homopolymer

### Description:

"Jampilen HP502P" is a homopolymer with good flow properties and medium molecular weight distribution intended for fiber extrusion applications.

"Jampilen HP502P" has a high fluidity and best suits for the production of staple fibers, bulk continuous filaments (BCF) and continuous filaments (CF). It contains a general purpose formulation of additives with no antigasfading additivation.

### Processing Method:

Fiber Extrusion

### Features:

Good Flow Properties  
Consistent processability  
Medium Molecular Weight Distribution  
Homopolymer

### Typical Applications:

BCF and CF Yarns  
Staple fibers

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	17	g/10min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	33	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	103	R Scale	ASTM D785
<b>Thermal</b>			
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	95	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012