

# Polypropylene(PP)



...We pay more attention to after-sales!

Color:White/Grey

Density:0.93g/cm<sup>3</sup>

## Material Data Sheet

Mechanical Properties	Value	Unit	DIN/EN/ISO
Tensile strength at yield	30	MPa	527/D638
Elongation at yield	50	%	527
Modulus of elasticity in tension	1450	MPa	527/D638
Impact strength	No br.	KJ/m <sup>2</sup>	179/D256
Creep rupture strength after 1000hrs with static load	22	MPa	-
Time yield limit for 1% elongation after1000hrs	4	MPa	-
frictional coefficient	0.3	-	-
Rockwell hardness	70	-	-

Thermal Properties	Value	Unit	DIN/EN/ISO
Glass transition temperature (TG)	-18	°C	53736
Crystalline melting point	170	°C	53736
Service temperature(short term)	120	°C	-
Service temperature(long term)	95	°C	53736
Coefficient of thermal expansion	150×10 <sup>-6</sup>	m/(m*k)	53483/D696
Specific heat	1.7	J/(g*K)	-
Coefficient of thermal conductivity	0.22	W(k*m)	-

Electrical properties	Value	Unit	DIN/IEC
Surface resistivity	≥10 <sup>13</sup>	Ω	60093
Volume resistivity	≥10 <sup>14</sup>	Ω *cm	60093
Dielectric strength	>40	kv/mm	60243

Other properties	Value	Unit	DIN/EN/ISO
Water absorption @ saturation @ 23°C	0.01	%	62
Resistance to hot water , washing soda	Resistant	-	-
Resistance to weathering	No	-	-
Flammability(UL94)	HB	-	4589

FORETH INDUSTRIAL CO., LIMITED | Room6-1101, Dongfangmingzhu Building, Longgang District, Shenzhen, Guangdong China

<http://www.fore-plastics.com>

arion@fore-plastics.com

<http://www.hongfutech.com/>

86-755-28329102

The following information corresponds with our current knowledge and indicates our products and possible applications; We cannot give a legally binding guarantee of certain properties or the suitability for a specific application, Existing commercial patents must be observed.

A definitive quality guarantee is given in our general conditions of sales. Unless otherwise stated, these values represent averages taken from injection moulding samples, We reserve the right of technical alterations.