

Polypropylene HP500N

TECHNICAL DATA SHEET



Homo-polymer, Injection Grade

MI=12

■ Manufacturer

Jinneng Chemical (Oil base, 3 production lines, total 1,350,000tons/year)

■ Description

HP500N is licensed by Lyondell Basell's Spheripol technology. Raw material propylene is produced through the PDH process, and the sulfur content of propylene monomer is extremely low. The product has the characteristics of high strength, high rigidity, good ductility, easy processing, low smell and so on.

■ Applications

It is mainly used in the production of daily necessities, electrical appliances, toys and so on.

■ Packaging

In 25kg PE bag, 28MT in one 40HQ without pallet.

No.	Properties	Units	Typical Values	Test Methods
01	Melt Flow Rate(230℃/2.16kg)	g/10min	12.1	GB/T 3682.1
02	Isotactic Index	%	96.8	GB/T 2412
03	Ash	mg/kg	266	GB/T 9345.1
04	Yellowness Index	--	- 4.3	HG/T 3862
05	Volatile	mg/kg	140	GB/T 3264
06	Big and Small Granule	g/kg	0.64	SH/T 1541.1
07	Flexural Modulus	Mpa	1210	GB/T 9341
08	Tensile Stree at Yield (σ_y)	Mpa	32.3	GB/T 1040.2
09	Nominal Tensile Strain at Break(ϵ_{tb})	%	51.2	GB/T 1040.2
10	Charpy Notched Impact Strength (23℃)	KJ/m ²	1.2	GB/T 1043.1