

DATE: 2024-2025

Arena Code: AS10511JPC-PP HP500H

Producer and Supplier in the fields of Chemical, Oil, Gas and Petrochemical industries

Technical Data Sheet

HP500H

Polypropylene Homopolymer

"HP500H" is a polypropylene homopolymer for general injection molding applications. Besides the high stiffness and good impact strength, "HP500H" offers good processability." HP500H" is suitable for a wide range of applications such as appliance components, textile bobbins, wheels, fttings, caps, closures, and household articles." HP500H" is suitable for food contact.

Applications:

- Appliance components
- -Textile bobbins
- -Wheels
- -Fittings
- -Caps, closures
- -Household articles

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
physical	ntr		
Melt Floe Index(200°c/2.16Kg)	1.8	g/10 min	ASTM D1238
Density	0.9	g/cm3	ASTM D1505
Mechanical			
Flexural Modulus	1650	MPA	ASTM D790
Tensile Strength at Yield	35	MPA	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °c	60	J/m	ASTM D256
Rockwell Hardness	105	R-Scale	ASTM D785
Thermal			-
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°c	ASTM D648
Accelerated oven ageing in air at 150 °c	360	Hours	ASTM D3012



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