

POLYPROPYLENE

HD500

Homopolymer polypropylene for extrusion application

Description HD500 is a homopolymer polypropylene intended for extrusion application. Product made from this resin exhibits high denier strength and low heat shrinkage.

Application

- Yarn
- Monofilament

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	4	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D792A
Mechanical properties			
Tensile strength at yield	330	kgf/cm ²	ASTM D638
Tensile strength at break	180	kgf/cm ²	ASTM D638
Flexural modulus	14,000	kgf/cm ²	ASTM D790
Izod impact, Notched (23°C)	3	kgf.cm/cm	ASTM D256
Rockwell hardness	99	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	110	°C	ASTM D648

Storage and handling · HD500 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

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