

POLYPROPYLENE

HK600

Homopolymer polypropylene for extrusion application

Description

HK600 is a homopolymer polypropylene intended for extrusion application. It is ideally suited for woven and nonwoven application including staple fiber with narrow molecular weight distribution, good spinnability, extensibility, and discoloration resistance.

Application

- Staple fiber
- Multifilament
- Continuous filament
- Wig

Physical properties	Typical value	Unit	Test method
MFR (230°C/2.16kg)	15	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D792A
Mechanical properties			
Tensile strength at yield	350	kgf/cm ²	ASTM D638
Tensile strength at break	280	kgf/cm ²	ASTM D638
Flexural modulus	16,500	kgf/cm ²	ASTM D790
Izod impact, Notched (23°C)	2	kgf·cm/cm	ASTM D256
Rockwell hardness	108	R-scale	ASTM D785
Thermal properties			
Heat deflection (0.45MPa)	119	°C	ASTM D648

Processing conditions

- Extrusion temperature 230 - 260°C

Storage and handling

- HK600 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

Revised: Nov. / 2022

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