



POLYPROPYLENE

DAPC-HP550P

Description:

"DAPC-HP550P" is a high melt flow polypropylene homopolymer for the production of BCF, CF and fine denier staple fibers at medium to high spinning speeds.

"DAPC-HP550P" is suitable for nonwoven fabrics for diapers, medical-sanitary applications and wipes. Another typical application is high tenacity continuous filament for straps backpacks, sport bags, bulk bags and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. "DAPC-HP550P" is also suited for the production of bulked continuous filament for carpets.

Processing Method:

Fiber Extrusion (BCF, CF, Staple)

Injection molding

Features:

High melt flow

Good processability

Homopolymer

Typical Applications:

Wipes and tissues

Straps for backpacks, sport bags, bulk bags and for safety belts

Upholstery and sportswear

Bulk continuous filament for carpets

Nonwoven staple fiber

Injection molded article, housewares, etc.

TYPICAL PROPERTIES	ASTM / METHOD	VALUE	UNIT
Physical			
Melt Flow Rate (230 °C, 2.16kg)	D1238	21	g/10min
Density	D1505	0.90	g/cm ³
Mechanical			
Flexural Modulus	D790	1550	MPa
Tensile Strength at Yield	D638	33	MPa
Tensile Elongation at Yield	D638	12	%
Izod Impact Strength (notched) at 23 °C	D256	30	J/m
Thermal			
Vicat softening point (10N)	D1525	154	°C
H.D.T. (0.46 MPa)	D648	95	°C
Accelerated oven ageing in air at 150 °C	D3012	120	hours

➤ Values shown are averages & are not to be considered as product specifications