



ASTM Property

Grade	FR-170
Product	Polypropylene, Homopolymer

General Information

Key Features

- Multifilament & stable fiber application
- Formability, extensibility, anti-gasfading stabilization

Applications

- Continuous filament
- Filter / Staple fiber
- Sanitary materials

Component	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16 kg)	ASTM D1238	g/10min	25.5
Density	ASTM D792	g/cm³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm²	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm²	16,000
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	3.0
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	°C	105

1. Physical Properties : these are not to be construed as specifications

