

DATASHEET

ASTM Property



Grade	FR-160U
Product	Polypropylene, Homopolymer

General Information

Key Features

- Multifilament & Staple fiber application
- Formability, Extensibility, Anti-gasfading stabilization
- Weatherability (Including UV stabilizer agent)

Applications

- Continuous filament, Belt, Filter, Carpet

Item	Measuring Method	Unit	Value
Physical Properties			
Melt Flow Index (230°C, 2.16kg)	ASTM D1238	g/10min	16
Density	ASTM D792	g/cm ³	0.9
Mechanical Properties			
Tensile Stress (Yield)	ASTM D638	kgf/cm ²	350
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/cm ²	16,000
Impact Properties			
Izod Impact Strength (notched, 23°C)	ASTM D256	kgf·cm/cm	3.5
Thermal Properties			
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	°C	105

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2022/11/18