

# DATA SHEET

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## E-Glass DWR (Direct roving) F-189

### **Product Description**

F-189, direct roving is designed for woven, and filament winding, pultrusion applications utilizing unsaturated polyester and vinyl ester resin systems.

### **Product Features**

- Multi-compatible with unsaturated polyester and vinyl ester, resin
- Fast wet out in thermoset resin systems.

### **Product Design: Nominal**

Characteristics	Unit	F-189		
Tex Count	tex	1150	2200(2310)	
Filament Number	--	2000		4000
Filament Diameter	μm	17	24	17
Loss on Ignition	%	0.50		
Moisture Content	%	Max.0.20		
Roll height	mm	265		
Packaging	Roll/pallet	48 (4*4*3)		

### **Contact**

More information

<http://www.neg.co.jp/inquiry/>

<http://www.neg.co.jp/en/inquiry/>