

Polypropylene Fine Denier Fibre - F

General Points:

IFG F is a melt-spun PP staple fibre.

Due to special settings of several parameters on the production lines we can offer different levels of tenacity:

Low tenacity (> 15 cN/tex) / high elongation (> 150 %)

Medium tenacity (25 – 45 cN/tex) / medium elongation (50 – 150 %)

High tenacity (> 45 cN/tex) / low elongation (20 – 100 %)

Colours:

IFG F fine denier fibres are supplied raw white and spun-dyed as well. An enormous range of colour prescriptions with a light fastness of minimum 6 according to the DIN blue scale is available. Possible variations are shown as extract in our current colour shade cards.

Lubrication:

IFG F fine denier fibres are prepared with special lubricants ensuring satisfactory processing properties.

Form of supply:

IFG F fine denier fibres are supplied as staple fibre, packed in bales.

On request even available as tow or top.

Stabilizations:

Indoor/Outdoor/Automotive

Supply programme:

Titre (dtex)	Staple length (mm)
1	40/50/60
1,7	40/50/60
2,2	40/50/60
2,8	40/50/60
3,3	40/50/60

Other deniers and cut lengths on request

Additional properties: (on request)

- Flame retardant (**FR**)
- Antimicrobial (**AM**)

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Manufacturing Processes: (depending on fibre type)

- Needle punching,
- Thermobonding,
- Cotton system,
- Worsted,

Fibre Characteristics		1 dtex	1,7 dtex	2,2 dtex	2,8 dtex	3,3 dtex
Fibre cross section		round	round	round	round	round
Specific density	g/cm ³	0,91	0,91	0,91	0,91	0,91
Tenacity	cN/tex	15-45	15-45	15-45	15-45	15-45
Elongation at break	%	20-200	20-200	20-200	20-200	20-200
Thermal shrinkage	120°C / 10 min	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %
Melting point	°C	163-170	163-170	163-170	163-170	163-170