



Innegra™ S Fiber - Technical Data Sheet

TYPICAL INNEGRA S FIBER PROPERTIES								
VALUE	Test Method	Units	IS-625	IS-940	*IS-1250	*IS-1880	IS-2800	
Weight per Unit Length	ASTM D1907	denier	625	940	1250	1880	2800	
		decitex	694	1045	1389	2089	3110	
Filaments per tow		count	50	75	100	150	225	
Yield		yd/lb	7143	4749	3572	2375	1594	
		(m/kg)	14400	9574	7200	4787	3214	
Breaking Strength	ASTM D885	lbF	11	18.6	24.8	37.3	55.5	
		kgF	5	8.5	11.3	16.9	25.2	
Ultimate Tensile Strength	ASTM D885	gF/denier	9.0	9.0	9.0	9.0	9.0	
		cN/tex	79.5	79.5	79.5	79.5	79.5	
		MPa**	667	667	667	667	667	
Elongation at Break	ASTM D885	%	9.5	9.5	9.5	10	10	
Tensile Modulus	ASTM D885	gF/denier	200	200	200	190	185	
		cN/tex	1766	1766	1766	1678	1634	
		MPa**	14828	14828	14828	14086	13716	
		Msi**	2.15	2.15	2.15	2.04	1.99	
Creep @ 20% UTS	1 year, RT	%	3.2	3.2	3.2	3.2	3.2	
Dielectric Constant		Dk	2.2	2.2	2.2	2.2	2.2	
Dielectric Loss		Df	0.0009	0.0009	0.0009	0.0009	0.0009	
Max. Processing / Use Temp	from DSC data	°C	150	150	150	150	150	
		°F	302	302	302	302	302	
**Using density of 0.84 g/cc								

US Patents 7074483, 7445843 and 7445842. Additional patents pending.

Materials Safety Data Sheet : See www.innegrates.com.

Hazard Statement: Innegra S is not considered to be or contain hazardous chemicals based on evaluations made by Innegra Technologies, LLC under the OSHA Hazard Communication Standard 29 CFR 1910.1200

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