









March 2013

 <b>Typical Fiber Values</b>			Fibers for carded, thermally bonded nonwovens							Fibers for airlaid & wetlaid products					
			ES-C Cure	ES-Delta II	ES-Tendon-C	ES-Lowmelt	PTC Bounce	ETC Bounce	AL-Adhesion C	AL-Bounce Adhesion	AL-Lowmelt	AL-Thermal	AL-Delta II	WL Bounce Adhesion	
Measure	Method	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	Nom. Value	
 The weight in grams of a fiber of 10 km length	Internal FV test	1.7-16.7 dtex	1.7-6.7 dtex (2.2-16.7 dtex)	1.7-10 dtex	3.3-10 dtex	2.2-6.7 dtex	2.2-6.7 dtex	1.7-16.7 dtex	2.2-6.7 dtex	3.3-10 dtex	1.7-3.3 dtex	1.7-6.7 dtex (2.2-16.7 dtex)	2.2-6.7 dtex		
 Tensile strength of the fiber	Internal FV test	2.5-3.6 cN/dtex	2.5-3.6 cN/dtex	3.0-4.0 cN/dtex	2.8-3.4 cN/dtex	3.2 cN/dtex	1.0-3.5 cN/dtex	3.0-4.0 cN/dtex	1.0-3.5 cN/dtex	2.8-3.4 cN/dtex	2.5-4.0 cN/dtex	2.5-3.6 cN/dtex	1.0-3.5 cN/dtex		
 Elongation at break	Internal FV test	100-160%	100-160%	100-160%	70-90%	40-100%	40-100%	100-160%	40-100%	70-90%	40-100%	100-160%	40-100%		
 Fiber length (under a prescribed load)	Internal FV test	40-60 mm	40-60 mm	40-60 mm	40-60 mm	6-12 mm	38-72 mm	3, 4, 6, 12 mm	3, 4, 6, 12 mm	3, 4, 6, 12 mm	3, 4, 6, 12 mm	3, 4, 6, 12 mm	3, 4, 6, 12 mm		
 Raw material Soft. point Melting point		PE 124°C PP 140°C 130°C 162°C	PE 124°C PP 140°C 130°C 162°C	PE 124°C PP 140°C 130°C 162°C	PE 90°C PP 140°C 95°C 162°C	PE 124°C PET N/R 130°C 255°C	PE 124°C PET N/R 130°C 255°C	PE 124°C PP 140°C 130°C 162°C	PE 124°C PET N/R 130°C 255°C	PE 90°C PP 140°C 95°C 162°C	PE 124°C PP 140°C 130°C 162°C	PE 124°C PP 40°C 130°C 162°C	PE 124°C PET N/R 130°C 255°C		
 Crimp frequency (KD) no. of crimps/10 cm	Internal FV test	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable		
 Spin finish level as weight %	Internal FV test	0.2-0.4%	0.2-0.4%	0.2-0.4%	0.2-0.4%	0.3-0.5%	0.3-0.5%	0.2-0.4%	0.3-0.5%	0.2-0.4%	0.3-0.5%	0.2-0.4%	0.3-0.5%		

Polyolefin fibers consist of 99% carbon and hydrogen. The remaining 1% consist of water and applied spin finish. The fiber bales are protected with polyolefin foil and closed with polyester straps. The product and the packaging materials are suitable for recycling and combustion. Inhouse waste should be kept clean to facilitate direct recycling. In disposal of any waste, be certain all applicable regulations are met. For further information contact your ES FIBERVISIONS representative.

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