

# Teknek Roller Range

Technical Data Sheet - Oct 2022



		NT®	Nanoclean®	UTF	Panel	Additional Information
General Information	Logo					
	Country of Origin (COO)	 Made in UK	 Made in UK	 Made in UK	 Made in UK	
Performance	Cleaning Efficiency	★★★★★	★★★★★	★★★★★	★★★★★	Particle Pick-Up Test using calibrated Tungsten powder
	Particle Pick-up (g/m <sup>2</sup> )	130	127	134	126	
	Particle Size Range	0.1µm to 4mm	20nm to 3mm	0.1µm to 5mm	0.1µm to 5mm	Can be larger or smaller depending on particle type
	Leaching/Bleeding	None	None	None	None	Using FTIR method
Process Compatibility	Adhesive Roll Compatibility	All Teknek Adhesives	AREF	All Teknek Adhesives	All Teknek Adhesives	
	Static Dissipation	★★★★★	★★★★★	☆☆☆☆☆	☆☆☆☆☆	Complies with ANSI/ESD S20.20-2014
	Thin film capability	matt < 50 µm shiny > 100 µm	< 50 µm	< 50 µm	> 100 µm	
	Silicone Free	No	Silicone-Free	No	No	
Quality	Presence of Halogens	Halogen-Free	Halogen-Free	Halogen-Free	Halogen-Free	
	Quality Manufacturing	ISO 6123 Class A	ISO 6123 Class A	ISO 6123 Class A	ISO 6123 Class A	ISO Certified
	Traceability	100%	100%	100%	100%	All parts and processes are tracked
	Quality Management System	ISO 9001 - 2015	ISO 9001 - 2015	ISO 9001 - 2015	ISO 9001 - 2015	ISO Certified
	IEC Standards	Compliant	Compliant	Compliant	Compliant	IEC 61249-2-21
	ROHS3	Compliant	Compliant	Compliant	Compliant	EU - Directive 2015/863
Specs	REACH (SVHC 2020)	Compliant	Compliant	Compliant	Compliant	EU - EC/1907/2006
	Base Material	Silicone	Polyurethane	Silicone	Silicone	
	Shore A	55 ± 5	60 ± 5	30 ± 5	30 ± 5	
	Straightness	±0.1mm/m	±0.1mm/m	±0.1mm/m	±0.1mm/m	Ensure total contact with the surface to be cleaned
	Surface Resistance	< 1 x 10 <sup>12</sup> Ω	< 1 x 10 <sup>12</sup> Ω	N/A	N/A	
Chemical Resistance	Abrasion Resistance	< 0.01	< 0.04	< 0.06	< 0.02	Taber Test ISO 5470-1
	Water	No change	No change	No change	No change	
	IPA	No change	No change	No change	No change	Only use pre soaked Tekwipes for roller maintenance
	Solvents & other chemicals	Not recommended	Not recommended	Not recommended	Not recommended	
Storage	Recommended Storage Temp	25°C	25°C	25°C	25°C	
	Max Contact Temp	125°C	125°C	125°C	125°C	
	Relative Humidity	40 - 60%	40 - 60%	40 - 60%	40 - 60%	
	Guarantee	12 Months	12 Months	12 Months	12 Months	