

Table 2. Personnel Grounding Requirement

Personnel Grounding Technical Requirement	Product Qualification ¹		Compliance Verification	
	Test Method	Required Limit(s)	Test Method	Required Limit(s)
Wrist Strap System ²	ANSI/ESD S1.1 (Section 5.10)	0.8×10^6 to 1.2×10^6 ohms	ESD TR53 Wrist Strap Section	$< 3.5 \times 10^7$ ohms
Flooring / Footwear System – Method 1	ANSI/ESD STM97.1	$< 3.5 \times 10^7$ ohms	ESD TR53 Flooring Section	$< 3.5 \times 10^7$ ohms
			ESD TR53 Footwear Section	$< 3.5 \times 10^7$ ohms
Flooring / Footwear System – Method 2 (both required)	ANSI/ESD STM97.1	$< 10^9$ ohms	ESD TR53 Flooring Section	$< 1.0 \times 10^9$ ohms
	ANSI/ESD STM97.2	< 100 volts	ESD TR53 Footwear Section	$< 1.0 \times 10^9$ ohms

¹ Product qualification is normally conducted during the initial selection of ESD control products and materials. Any of the following methods can be used: product specification review, independent laboratory evaluation or internal laboratory evaluation.

² For situations where an ESD garment is used as part of the wrist strap grounding path, the total system resistance including the person, garment and grounding cord shall be less than 3.5×10^7 ohms.