

Filter Combination Charts

Filter Combinations		Test Conditions	Irradiance Ranges W/m ²	
Inner	Outer		Wattage	300-400 nm
Xenotest® Alpha+			Min.	
			Max.	
4 Infrared + 3 Window Glass	UV Special Glass	Simulation of solar radiation behind window glass at higher temperatures	950 W 2750 W	40 140
2 Infrared + 5 Window Glass	UV Special Glass	Simulation of solar radiation behind window glass for AATCC TM 16H-1998	950 W 2750 W	40 140
7 Infrared	UV Special Glass	Simulation of solar radiation behind window glass (e.g. ISO 105 B02)	950 W 2750 W	40 140
6 Infrared + UV Window	UV Special Glass	Simulation of solar global radiation outdoors (daylight) – (e.g. Marks & Spencer, ISO 105 B04)	950 W 2750 W	40 140
10 Window Glass	UV Special Glass	Simulation of solar radiation behind window glass at higher temperatures, for testing of automotive interior materials (e.g. ISO 105 B06)	950 W 2750 W	40 110
10 XENOCHROME 320	UV Special Glass	Non-aging for simulation of solar radiation behind window glass (e.g. AATCC TM 16)	950 W 2750 W	40 180
10 XENOCHROME 300	UV Special Glass	Non-aging for simulation of solar global radiation outdoors (daylight) according to CIE publication No. 85 Table 4	950 W 2750 W	40 220
Daylight Extended IR	UV Special Glass	Simulation of outdoor solar radiation in accordance with CIE publication No. 85, Table 4, normal temperatures (e.g. ISO 4892-2 or ISO 11341)	950 W 2750 W	40 125
Xenotest Beta+/Beta+ FD			Min.	
			Max.	
11 XENOCHROME 320	UV Special Glass	Non-aging for simulation of solar radiation behind window glass (e.g. ISO 105 B02)	1200 W 2800 W	35 100
11 XENOCHROME 300	UV Special Glass	Non-aging for simulation of solar global radiation outdoors (daylight) according to CIE publication No. 85 Table 4 (e.g. ISO 4892-2, 11341)	1200 W 2800 W	45 120
Xenotest 150 S+			Min.	
			Max.	
7 Infrared	UV Special Glass	Simulation of solar radiation behind window glass	950 W 2750 W	30 70
6 Infrared + UV Window	UV Special Glass	Simulation of solar global radiation outdoors (daylight) – needed for older standard requirements	950 W 2750 W	30 70
Xenotest 220/220+			Min.	
			Max.	
11 XENOCHROME 320	UV Special Glass	Non-aging filters for simulation of solar radiation behind window glass compliant to ISO 105-B02	1200 W 2800 W	30 50
6 TM 16	UV Special Glass	Non-aging filters for simulation of solar global radiation behind window glass compliant to AATCC TM 16	1200 W 2800 W	30 50