



EUROPEAN RAILWAY EN 45545-2 (2013+A1:2015) (Other Than Wire & Cable)

TEST	SAMPLE SIZE	PERFORMANCE TIME
ISO 5658-2 (Lift) <i>R1, R2, R3, R4, R7, R11, R12, R17</i>	4 pieces md: 150 mm x 800 mm 4 pieces cmd: 150 mm x 800 mm	7 – 10 days
EN ISO 5659-2 (Smoke Density)		
<u>25 kW Exposure with pilot flame:</u> <i>R5, R8, R9, R10, R20, R21, R22 & R23</i>	6 pieces: 75 mm x 75 mm x 25 mm MT	7 – 10 days
<u>50 kW Exposure without pilot flame:</u> <i>R1, R2, R3, R6, R7, R11, R12, R17</i>	6 pieces: 75 mm x 75 mm x 25 mm MT	7 – 10 days
ISO 5660-1 (Cone Calorimeter)		
<u>25 kW Exposure:</u> <i>R5, R8, R9, R10, R19, R20, R21</i>	6 pieces: 100 mm x 100 mm x 50 mm MT	7 – 10 days
<u>50 kW Exposure:</u> <i>R1, R2, R3, R6, R7, R11, R12, R17</i>	6 pieces: 100 mm x 100 mm x 50 mm MT	7 – 10 days
EN ISO 9239-1 (Flooring Radiant Panel) <i>R8, R10</i>	4 pieces md: 230 mm x 1050 mm 4 pieces cmd: 230 mm x 1050 mm	7 – 10 days
EN ISO 11925-2 (Single Flame) <i>R4, R5</i>	8 pieces md: 90 mm x 250 mm 8 pieces cmd: 90 mm x 250 mm	7 – 10 days
Combustion Toxicity, Annex C, Method 1: Smoke Chamber		
<u>25 kW Exposure with pilot flame:</u> <i>R5, R8, R9, R10, R20, R21</i>	16 pieces: 75 mm x 75 mm x 25 mm MT	25 – 30 days
<u>50 kW Exposure without pilot flame:</u> <i>R1, R2, R3, R4, R6, R7, R11, R12, R17</i>	16 pieces: 75 mm x 75 mm x 25 mm MT	25 – 30 days
EN ISO 1182 (Noncombustibility) <i>R Set N/A</i>	20 pieces: 38 mm x 38 mm x 50 mm	10 – 14 days
ISO/TR 9705-2 (Corner Fire Test) <i>R18</i>	<i>Available upon request</i>	
EN ISO 12952-2 (Match Flame) <i>R20</i>	2 actual bedding items (blankets, pillows, etc.) NOTE: Mattresses are tested by ISO 5660-1 & 5659-2	7 – 10 days
EN ISO 4589-2 (Oxygen Index) <i>R22, R23, R24</i>	<i>Available upon request</i>	10 – 14 days

cmd = Cross machine direction
 md = Machine direction
 MT = Maximum thickness
 N/A = Not applicable