

Standards, Regulations and Recommendations

EN 779:2012 Classification

Group	Filter Class	Final pressure drop (test) Pa	Average arrestance (Am) of synthetic dust %	Average efficiency (Em) for 0.4 µm particles %	Minimum efficiency ²⁾ for 0.4 µm particles %
Coarse	G1	250	50 ≤ Am ≤ 65	-	-
	G2	250	65 ≤ Am ≤ 80	-	-
	G3	250	80 ≤ Am ≤ 90	-	-
	G4	250	90 ≤ Am	-	-
Medium	M5	450	-	40 ≤ Em ≤ 60	-
	M6	450	-	60 ≤ Em ≤ 80	-
Fine	F7	450	-	80 ≤ Em ≤ 90	35
	F8	450	-	90 ≤ Em ≤ 95	55
	F9	450	-	95 ≤ Em	70

¹The characteristics of atmospheric dust vary widely in comparison with those of the synthetic loading dust used in the tests. Because of this, the test results do not provide a basis for predicting other operational performance or service life. Loss of media charge or shredding of particles or fibers can also adversely affect efficiency.

²Minimum efficiency is the lowest of any of the following three values: initial efficiency, discharged efficiency, or efficiency throughout the test's loading procedure.

Test Standard Correlations



The test standard correlations above are approximations based on results obtained on a sampling of products. Actual results on products may differ somewhat from these correlations, and a product tested to one standard that needs to meet the requirements of another standard should be tested in accordance with the specified standard.