

Other light sources may be used provided that a correlation between the test results obtained with these light sources and those obtained after a natural exposure can be demonstrated. This can be useful when the durations of the exposure to xenon-arc lamps as defined in Table 2 are too long. Details of these methods are given in Annex A (informative).

In case of dispute, the exposure to xenon-arc lamps according to 8.10 and the classification according to Table 2 shall be used.

NOTE A numerical correlation between durability of mulch films exposed to artificial weathering and natural exposure is given in Annex B (informative).

7 Requirements

7.1 General requirements

Transparent films, black films, reflective films and films of other colour(s) for weed control shall fulfil the requirements of Tables 3, 4, 5 and 6, respectively.

Table 3 — Requirements for transparent films

Characteristics	Unit	Nominal thickness		Test method Subclause
		≥ 20 ^a	≥ 35	
Appearance	-	Shall conform to 7.2		7.2
Dimensional characteristics				
Tolerance of average thickness/nominal thickness	%	±5		8.1
Tolerance of single point thickness/nominal thickness	%	from -20 to 25	from -15 to 25	8.1
Width tolerance/nominal width	%	±2		8.2
Tolerances of the roll length/nominal length	%	-1		8.3
Mechanical characteristics of unexposed film				
Tensile stress at yield (MD, TD)	MPa	≥ 9		8.4
Tensile stress at break (MD, TD)	MPa	≥ 20		
Tensile strain at break MD TD	% % %	≥ 250 ≥ 350		
Impact resistance Flat area Fold area	g g g	≥ 75 ≥ 50	≥ 80 ≥ 60	8.5
Optical characteristic of unexposed film				
Total luminous transmittance	%	≥ 90		8.6

^a 20 µm ≤ nominal thickness < 35 µm.