FLEXIBLE PVC TECHNICAL SPECIFICATION

Economy Welding Grade

PROPERTY	STANDARD	UNIT	ECONOMY WELDING GRADE	DESCRIPTION
Light Transmittance	-	%	>40	Visible light quantity transmitted through the material.
Shore A Hardness	DIN 53 505	-	77	Index based on a flat indenter's penetration depth. Scale from 0 (soft) to 100 (hard)
Brittle Point	DIN 53 372	°C	10 (approx)	Test to determine the temperature at which a material can become brittle upon impact
Falling Ball Test	Internal Test Only	°C	10 (no break)	Internal test whereby a heavy steel ball is dropped from height onto the material to see if breaks or tears. No break at -10 °C
Flexibility	Based on DIN 51 949	°C	10 (no break)	Test to determine the temperature at which a material remains flexible.
Tearing Stress	DIN 53 455	%	>5	Minimum tensile stress that a material can be subjected to before break.
Tensile Strength at Break	DIN 53 455	Mpa	17	Maximum tensile stress that a material can be subjected to before break.
Residual Elong. (after break)	DIN 53 515	n/mm	300	Permanent elongation of the specimen measured after rupture in a tensile test.
Sound Reduction	DIN 52 210	dB	>30	Average sound level (freq. 0,1 to 3,2 kHz) decreased by a 1,76 sq.m and 5mm thick PVC Curtain
Fire Retardance	DIN 53 382	-	-	Self extinguishing
Flammability	Based on US MVSS302	-	-	Inflammable
Water Absorption	DIN 53 472	Mg %	17 0,09	Material mass variation after exposure to humid conditions. (<0 if released / >0 if absorbed)
Density	DIN 53 479	g/cm³	~1,21	Mass per unit volume.

Rayflex Group reserves the right to alter any of the elements quoted in the above specification without prior notice.