

Performance	Testing Method BS 2782	PVC grade "Standard Clear"	PVC grade "Polar Clear"	Unit / measure
Density	DIN 53 479	1.21	1.19	g/cm ³ (kilograms per. cubic metre). Mass / volume = density
Shore A Hardness	DIN 53 505	77	63	-
Brittle Point	DIN 53 372	-12C	-37C	Degrees C
Falling Ball Test	Internal Test	-10C No Break	-35C No Break	Degrees C
Flexibility	Based on DIN 51 949	-10 No Break	-40 No Break	Degrees C
Water Absorption	DIN 53 472 (50 x 5 x7mm)	17Mg 0.09%	21Mg 0.1%	Milligrams % absorbtion
Tensile Strength at yield	DIN EN ISO 527-2/5 A/200	17MPa	13MPa	MPa (1 megapascal = 10 bar)
Further tensile strength	DIN 53 455	5	2	N/mm ² (newtons p.sq.mm)
Resistance of Continued Rupture	DIN 53 515	<5	<2	%
Reaction to Fire	DIN 4102 / B2	Neither burning or smoulder	Neither burning or smoulder	
Flammability	DIN 4102 / B2	Inflammable	Inflammable	Self extinguishing
Airborne Insulation	DIN 52210	Ca. 30dB	Ca. 30db	Dependant on thickness
Light Transmission / transparency	-	>80	>80	%