Polar clear PVC

Reported material properties | Technical reference sheet

Property	Test method	Unit / measure	Value
Density	DIN 53 479	g/cm³	1.19
Shore A hardness	DIN 53 505	Shore A	63
Brittle point	DIN 53 372	°C	-37
Falling ball test	Internal test	°C / result	-35 / No break
Flexibility	Based on DIN 51 949	°C / result	-40 / No break
Water absorption	DIN 53 472 (50 × 5 × 7 mm)	mg / %	21 / 0.1
Tensile strength at yield	DIN EN ISO 527-2/5 A/200	MPa	13
Further tensile strength	DIN 53 455	N/mm²	2
Resistance of continued rupture	DIN 53 515	%	<2
Reaction to fire	DIN 4102 / B2	Source wording	Neither burning or smoulder
Flammability	DIN 4102 / B2	Source wording	Inflammable; self extinguishing
Airborne insulation	DIN 52210	dB; thickness dependent	Approx. 30
Light transmission / transparency	Not stated	%	>80
Working temperature	Not stated	°C	-37 to +10

Data transcribed from the original technical sheets and the supplied test-result documents. Values and cited methods are retained; units and typography are standardised. Density is expressed in g/cm³ (grams per cubic centimetre)