

POLYPROPYLENE FILM MONO-ORIENTED FOAMED

CONSTRUCTION

PPF IS A MONO-ORIENTED AND FOAMED, POLYPROPYLENE FILM WITH A CLOSED CELL STRUCTURE.

DESCRIPTION

THIS FILM TYPE IS USED FOR INSULATION, SEPARATION AND BUNDLING IN TELECOMMUNICATION, POWER AND SIGNAL CABLES.

Reference		PPF 80	PPF 90	PPF 125	PPF 170	PPF 300	Test method
Properties	Unit						
Thickness	micron	80	90	125	170	300	DIN 53370
Tolerance in thickness	%	±12	±12	±10	±10	±10	DIN 53370
Weight	g/m ²	43	48	65	89	160	DIN 53352
Tolerance in weight	%	±8	±8	±7	±7	±7	DIN 53352
Density	g/cm ³	0.52	0.52	0.52	0.52	0.52	DIN 53479
Tensile strength	N/mm ²	90	90	100	85	80	DIN EN ISO 527-1
Elongation at break	%	15	15	15	15	15	DIN EN ISO 527-1
Tensile strength at 5% elongation	N/mm ²	35	35	40	30	25	DIN EN ISO 527-1
Shrinkage at 100°C/10Min. (hot air)	%	3	3	3	3	3	DIN 40634
Relative permittivity	(-)	≥1.2	≥1.2	≥1.3	≥1.3	≥1.3	DIN 53483
Breakdown voltage	kV	≥1.3	≥1.3	≥1.5	≥2.0	≥2.0	DIN 53481
Specific resistance	Ω.cm	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ¹⁵	DIN 53482
Resistance of thermal conductance	W/mK	0.08	0.08	0.08	0.08	0.08	DIN 52612
Cooper resistance		After ageing the film on cooper at 100°C, the tape exhibits no perceptible deterioration of its physical properties after 7 days					