

# PCB/PACA

## PAINTCARD

### Description

PCB/PACA Paintcard is a tough, general purpose, untreated polyester film with excellent handling characteristics which is suitable for many industrial applications. It has a hazy appearance and a rough surface to provide ease of handling and processability

### Key features

- Excellent mechanical strength and dimensional stability
- Does not become brittle with age under normal conditions
- Good resistance to moisture and most chemicals
- Can withstand temperatures of -70°C to +150°C
- Available in a wide range of thicknesses in both sheets and reels

### Typical values

Property	Test method	Unit	Typical values							
Film thickness	-	Micron	50	75	100	125	190	250	350	500
Film yield	-	m <sup>2</sup> /Kg	14.0	9.5	7.1	5.7	3.7	2.8	2.0	1.4
Unit weight	-	g/m <sup>2</sup>	70	105	141	175	270	357	500	578
Density	ASTM D1505	g/cc	1.39							
Haze	ASTM D1003-52	%	25	32	37	40	82	90	96	97
Dielectric strength	ASTM D149-81	kV	7	10	12	14	18	19	20	20
Modulus	ASTM D882-80	Kgf/mm <sup>2</sup> MD	356							
		TD	356							
Tensile strength at break (minimum)	ASTMD D882-80	Kgf/mm <sup>2</sup> MD	20			19				15
		TD	24	23		22	20	19		17
Elongation at break	ASTM D882-80	% MD	135			140		150	170	270
		TD	110			115		140	170	240
Upper mealt temperature	ASTM E794-85	°C	255 to 260							
Coeffectient of thermal expansion (between 20 and 50 °C)	-	cm/cm/°C MD	19 x 10 <sup>-6</sup>							
		TD	16 x 10 <sup>-6</sup>							

### Storage

- Recommended storage conditions: 10°C – 25°C; 20% - 50% RH
- Shelf Life: 12 months from delivery date (under recommended storage conditions)

### Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.