

# Technical Data Sheet

## Beccalon™ PET Film

### Product Description:

Beccalon™ PET film is a surface treated polyester terephthalate (PET) film designed for use in a number of industrial applications where thermal stability, flatness and excellent handling characteristics are required. The film has a hazy appearance.

### Key Features:

- Excellent handling characteristics
- Can be used in a wide variety of industrial applications
- Available in a range of widths, thickness and roll length

Properties	Test Method	Unit	Values			
Film Thickness		Micron	12	19	23	36
Film Yield		m <sup>2</sup> /Kg	59	37	31	20
Unit Weight		g/m <sup>2</sup>	17	27	32	50
Density	ASTM D1505	g/cc	1.4			
Haze	ASTM D1003-77 (Gardner Hazemeter)	%	3	5	6	9
Total Light Transmittance (maximum)	ASTM D1003-77 (Gardner Hazemeter)	%	87.9	87.8	87.7	87.1
Tensile Strength at Break (minimum)	ASTM D882-83 (23.5C, 50% rh, Strain rate 50% min.)	Kgf/mm <sup>2</sup>	17.5 (MD), 17.5 (TD)			
Elongation at Break	ASTM D882-83 (23.5C, 50% rh, Strain rate 50% min.)	%	125 (MD), 80 (TD)			
Coefficient of Friction (slip)	ASTM D1894-78		<0.5			
Upper Melting Temperature	ASTM E794-85	C	approx. 248			
Shrinkage	5 mins at 190C	%	3 (MD), 1 (TD)			
Breakdown Voltage	ASTM D149-81. (7 mm electrodes in dry air at 25C.)	Kv	4.8	6.1	6.4	8.3
Surface Resistivity	ASTM D257-83. (500v DC at 20C/50% RH)	Ω/sq	10 <sup>13</sup>			
Volume Resistivity	ASTM D257-83. (100v DC at 25C and 1,000 s)	Ωm	10 <sup>15</sup>			

### Storage:

It is recommended that the film products are stored in a cool and dry environment. . Recommended temperature interval of storage is between 10 - 30°C and relative humidity between 35 - 75%. The film products should remain in the packaging until just prior to use. The pallets should not be be stacked.

### Warranty disclaimer:

The physical (or chemical) properties of this product represent typical average values obtained in accordance with accepted test methods at the time of manufacture and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the JoBeqs Limited office to assure current information.