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## Technical Data Sheet

### Beccalon™ OPP

#### Product Description:

Beccalon™ OPP is a bi-orientated, transparent, polypropylene film suitable for use in the production of Sheet Moulding Compounds (SMC) with specific performance requirements. Beccalon OPP is very flat under the doctor blade allowing an even distribution of paste. This film should release well from most SMC formulations but tests should be conducted to confirm this.

#### Film Characteristics:

- Good flatness
- Moisture barrier
- Toughness
- Durability

#### Technical Data (Typical Values)

Properties	Test Method	Unit	Values	
Film Thickness		Micron	20	25
Film Yield	ISO4591	m <sup>2</sup> /Kg	54.9	44.0
Unit Weight	ISO4591	g/m <sup>2</sup>	18.2	22.7
Haze	ASTM D1003-77 (Gardner Hazemeter)	%	1.7	1.9
Tensile Strength	DIN EN ISO 527-1/-3 Machine Direction	N/mm <sup>2</sup>	130	130
	DIN EN ISO 527-1/-4 Transverse Direction	N/mm <sup>2</sup>	300	300
Elongation at Break	DIN EN ISO 527-1/-3 Machine Direction	%	170	170
	DIN EN ISO 527-1/-4 Transverse Direction	%	45	45
Coefficient of Friction (film/film) (dynamic)	DIN ISO8295		0.4	
Surface tension (untreated)	DIN ISO 8295	mN/m	<36	<36
Water Vapour Permeability 23C/85%RH / 38C/90%RH	ASTM F1249	g/(m <sup>2</sup> d) +/-10%	1.4 / 6.8	1.1 / 5.5

#### 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. 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.