

MATERIAL SPECIFICATION SUMMARY

Thermal Barrier Material



**WILPAK GROUP
INTERNATIONAL**
OVER 20 YEARS OF THERMAL INNOVATION

MATERIAL ASPECT	UNITS	MATERIAL SPECIFICATION		
Material Name		INSULPLATINUM	INSULGOLD	INSULPRIME
Application Description		<i>World leading high performance material – our exclusive InsulPlatinum® foil-bubble-foil offers maximum thermal protection to high value goods in transport</i>	<i>Cost sensitive high performance material – our exclusive InsulGold® foil-bubble offers high level thermal protection to high value goods in transport</i>	<i>Practical general purpose material – our InsulPremium® foil-bubble-liner offers moderate thermal protection to general goods in transport</i>
Foil Layers		Double Sided	Single Sided	Single Sided
Reflective Foil Layer Thickness	µm	58	58	58
Overall Barrier Thickness	mm	12	12	5
Bubble Diameter	mm	25 +	25 +	10
Tensile Strength MD (Machine Direction)	kN/m	6.6	5.0 Estimate	5.0 Estimate
Elongation at break MD	%	70	70 Estimate	70 Estimate
Tensile Strength CD (Cross Direction)	kN/m	5.1	4.5 Estimate	4.5 Estimate
Elongation at break CD	%	80	80 Estimate	80 Estimate
Emissivity	0 – 1.0 Rating	Up to 0.02	Up to 0.02	Up to 0.02
Reflectivity	%	Up to 98% radiant	Up to 98% radiant	Up to 98% radiant