Product Specification Sheet

Material:	Breakdown PET (BDP)	
Description:	Breakdown PET is a biodegradable* PET for the thermoformed packaging industry. BDP provides end of life solution to discarded packaging items, enabling them to naturally decompose in a few years rather than centuries. BDP is recyclable and biodegradable with all of the conversional properties of PET	
Construction:	ABA layer construction	
Slip Treatment:	Antiblock as an additive to co-extruder OR Silicone applied to either side OR both sides	
Other Additives:	Sheet can also be coloured	
Application:	The material is suitable for packaging of the following food products	
	Aqueous Foods	YES
	Acidic Foods	YES
	Alcoholic Foods	YES
	Fatty Foods	YES
	Dry Foods	YES
	Dairy Foods	YES
	Use in conventional oven	NO
	Use in microwave oven	NO
	Freezing	YES
Legislation:	EU Regulation 10/2011 plastic materials and articles intended to come into contact with food	
	EU Regulation 2022/1616 recycled plastic materials and articles intended to come into contact with foods	
	Directive 1935/2004 materials and articles intended to come into contact with food	
	Directive 94/62 Heavy Metal in accordance with 10/2011	
Storage and filling treatment:	Unlimited storage treatment at cooling and freezing temperature	
	Hot fill up to 70°c (only for filling)	
	Unlimited storage treatment at room temperature	
Colours:	Transparent as standard with colours on request	
Core diameter:	76mm (3")	
Roll size diameter:	Max 1000mm, Min 150kgs	
Package method:	Rolls packed on pallets according to agreement	
Dimensions	**Gauge**	
PET Sheet:	Min 180mu - Max 1200mu	
Tolerances:	+/- 5%	
Note:	Tolerance on test equipment +/- 4mu	
Storage conditions / climate	**Value**	
Temperature:	-10°c to 30°c	
Air Humidity:	45 - 70%	
Properties	**Value**	**Method**
Roll slitting	Min width roll 405mm, Max width 850mm	
Elastic Modulus	1900 - 2400 Mpa	ISO 527
Application temperature	Min -40°c Max 70°c (short period, pro-longed </=40C)	
Glass transition temperature	76°c - 78°c	DSC
Thermoforming temperature	125°c - 150°c	
Melt point	260°c	
Friction	Max reading 0.25 COF	Lloyds Friction Test Equipment
Material density	1.35g/cm3	
***General Notes:**	* Biodegradation rates of BDP is measured according to the ASTM D5511 test method for determining anaerobic biodegradation of plastics under water high solids anaerobic digestion conditions	