



GLOBAL GREEN MATERIAL

PCR PS 3SA-C00

TECHNICAL DATA SHEET

Version 1.1	12/01/2023
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GENERAL PRINCIPLE

Recycled plastic source stream	Unpigmented 100% post-consumer recycled PS Yakult bottles and food containers sourced in Taiwan
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RESIN

Pellets	PS	3SA-C00-F
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REGULATORY VALIDATION

PARAMETERS	SPECIFICATIONS
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The US FDA's regulation of recycled plastics for food-contact applications	PNC No. 2990 November 21, 2023
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Material Safety Test reference to F.D.A. Regulation U.S. 21 CFR Part 177.1640 Clauses (c) And (d)	PASS Be reported on Intertek (No. TWNC01103338) 2022 Aug 04
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Global Recycled Standard (GRS) Version 4.0	Scope Certificate Number:CU1166343GRS-2023-00098424
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RoHS 2011/65/EU Reference to RoHS 2011/65/EU Annex II and amending Directive EU 2015/863	PASS Be reported on Intertek (No. TWNC01043757) 2021 Dec 20
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As per article 33(1) to regulation (EC) NO. 1907/2006(REACH)	PASS Be reported on Intertek (No. TWNC01056590) 2022 Feb 16
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MATERIAL CHARACTERISTICS

PROPERTY	SPECIFICATIONS	METHODS
Melt Index	6.5 ±2 g/10min 5Kg 200 °C	ASTM D1238
Density	1.050±0.02 g/cm ³	ASTM D792
Tensile Strength	29.5±5 MPa	ASTM D638
	310±50Kg/cm ²	
Max Elongation	30±10 %	ASTM D638
Flexural Strength	55±10 MPa	ASTM D790
	580±100 Kg/cm ²	
Flexural Modulus	2500±300 MPa	ASTM D790

	26000±3000Kg/cm ²	
Izod Impact	>45 J/m	ASTM D256
Moisture	≤0.35%	105 °C 30 min
QUALITY		
Pellet Size	4 mm diameter	
Filtration (Screen pack)	120 mesh(125 um)*2	
Package	<input type="checkbox"/> Ton sack <input type="checkbox"/> 25Kg/pcs	
Impurities	<p>∅ >0.5mm : no more than 4 impurities ∅ =0.12-0.5mm : no more than 10 impurities ∅ <0.12mm:pass Checking from 5cm diameter and 3.3mm thickness circle testing chip(one side)</p>	
Expiration	One year after production	
Storage	Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.	