



GLOBAL GREEN MATERIAL

PCR PP 3PA-W00

TECHNICAL DATA SHEET

Version 1.1	01/01/2023
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GENERAL PRINCIPLE

Recycled plastic source stream	Unpigmented post-consumer recycled PP cups and food containers sourced in Taiwan. (100% PCR PP)
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RESIN

Pellets	PP	3PA-W00(color sorted and odor improvement)
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REGULATORY VALIDATION

PARAMETERS	SPECIFICATIONS
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Material Safety Test reference to F.D.A. Regulation U.S. 21 CFR Part 177.1520 Clauses (c)(1.1) And (d)	PASS Be reported on Intertek (No. TWNC01120160) 2022 Oct 07
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Global Automotive Declarable Substance List (GADSL)	PASS Be reported on GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER (No. FCM2022030301176-2) 2022
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Product carbon footprint Reference to ISO 14067: 2018	Be reported on TÜV (No. 38549389 001) 2023 Mar 29
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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. TWNC01043762) 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. TWNC01056596) 2022 Feb 16
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MATERIAL CHARACTERISTICS

PROPERTY	SPECIFICATIONS	METHODS
Melt Index	4.5 ±2.0g/10min 230°C ,2.16Kg	ASTM D1238
Density	0.910±0.020 g/cm ³	ASTM D792
Tensile Strength	29.4±6 MPa 310±50 Kg/cm ²	ASTM D638
Max Elongation	≥ 150 %	ASTM D638

Flexural Strength	48.1±10 MPa	ASTM D790
	460±50 Kg/cm ²	
Flexural Modulus	1100±150 MPa	ASTM D790
	11800±1000Kg/cm ²	
Izod Impact	>50 J/m	ASTM D256
% Polyethylene	Max 5%	FTIR
Moisture	≤0.3%	105 °C 30 min
Heat Deflection Temperature	98°C	ASTM D648
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.	