



GLOBAL GREEN MATERIAL

PCR PP 3PA-N00

TECHNICAL DATA SHEET

Version 1.1	01/01/2023
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GENERAL PRINCIPLE

Recycled plastic source stream	Post-consumer recycled PP electronic packaging materials sourced in Taiwan
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RESIN

Pellets	PP	3PA-N00 (color sorted)
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REGULATORY VALIDATION

PARAMETERS	SPECIFICATIONS
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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. TWNC01160588) 2013
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As per article 33(1) to regulation (EC) NO. 1907/2006(REACH)	PASS Be reported on Intertek (No. TWNC01160589) 2023
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MATERIAL CHARACTERISTICS

PROPERTY	SPECIFICATIONS	METHODS
Melt Index	10±3.0g/10min 2.16Kg 230 °C	ASTM D1238
Density	0.9±0.01 g/cm ³	ASTM D792
Tensile Strength	350±50 Kg/cm ² 35±5MPa	ASTM D638
Max Elongation	≥ 120 %	ASTM D638
Flexural Strength	500±60 Kg/cm ² 49±6MPa	ASTM D790
Flexural Modulus	12500±2000 Kg/cm ² 1200±200MPa	ASTM D790
Izod Impact	>30 J/m	ASTM D256
% Polyethylene	Max 5%	FTIR
Moisture	≤ 0.3%	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	$\emptyset > 0.5\text{mm}$: no more than 4 impurities $\emptyset = 0.12\text{-}0.5\text{mm}$: no more than 10 impurities $\emptyset < 0.12\text{mm}$:pass Checking from 5cm diameter and 3.3mm thickness circle testing chip(one side)	
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.	