



PCR PP 3PA-N00

TECHNICAL DATA SHEET

Version 1.3	01/01/2025
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GENERAL PRINCIPLE

Recycled plastic source stream	Post-consumer recycled PP food container materials sourced in Taiwan
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RESIN

Transparent color	PP	3PA-N00 (color sorted and food grade)
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REGULATORY VALIDATION

PARAMETERS	SPECIFICATIONS
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) 2023
As per article 33(1) to regulation (EC) NO. 1907/2006(REACH)	PASS Be reported on Intertek (No. TWNC01160589) 2023
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. TWNC01275573) 2024

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	>35 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	☐ Ton sack ☐ 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.	