



GLOBAL GREEN MATERIAL

PCR HDPE 3EA-W00-F

TECHNICAL DATA SHEET

Version 1.1	01/01/2023
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GENERAL PRINCIPLE

Recycled plastic source stream	Unpigmented 100% post-consumer recycled HDPE bottle, sourced in Taiwan
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RESIN

Pellets	HDPE	3EA-W00-F (PCR/food grade, color sorted)
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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. 2987 October 17, 2023
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Test for F.D.A. on PE reference to F.D.A. Regulation U.S. 21 CFR Part 177.1520 Clauses (c)(2.1)And (d)	PASS Be reported on Intertek (No. TWNC01200505) Aug. 17, 2023
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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. TWNC01200498) Aug. 17, 2023
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As per article 33(1) to regulation (EC) NO. 1907/2006(REACH)	PASS Be reported on Intertek (No. TWNC01200502) Aug. 17, 2023
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MATERIAL CHARACTERISTICS

PROPERTY	SPECIFICATION S	METHODS
Melt Index	0.3 ±0.05g/10min 2.16Kg 190 °C	ASTM D1238
Density	0.945±0.010 g/cm ³	ASTM D792
Tensile Strength	250±30 Kg/cm ² 24.5±3 MPa	ASTM D638
Max Elongation	≥ 50 %	ASTM D638
Flexural Strength	25±5 MPa 270±40 Kg/cm ²	ASTM D790
Flexural Modulus	700±100 MPa 6800±1200Kg/cm ²	ASTM D790

Izod Impact	>300 J/m >30 kg-cm/cm	ASTM D256
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	<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.	