

# Visy rHDPE

Food grade



# Redefining performance in plastic packaging solutions

rHDPE (high-density polyethylene) offers a range of benefits.

It's lightweight, making it easy to handle and transport, while also being resistant to moisture, mould and rot. rHDPE is recyclable and made from recycled materials, reducing waste and promoting sustainability.

Its versatility makes it suitable for various packaging applications, contributing to its widespread use across food packaging industries.



**Resistant**  
To moisture, mould and rot

**Lightweight**  
Easy to handle and transport

**Versatility**  
Suitable for many packaging applications

## Formats and capacity

- Food grade
- Natural colour pellet
- Extrusion blow moulding
- Compounding and sheet extrusion
- Quality testing in line with USFDA standards
- Approved to 50% inclusion in food products
- Predominantly milk and juice rHDPE bottles

Property	Test Method	Typical Values	Unit
Melt Flow Index: 2.16kg/190 C	ASTM 1238	0.5 - 0.7	g/10 min
Melt Flow Index: 21.6kg/190 C	ASTM 1239	40 - 55	g/10 min
Density		0.950 - 0.964	g/cm <sup>3</sup>
Tensile Strength at Yield	ASTM D638	20 - 34	MPa
Elongation at Yield	ASTM D638	10 - 15	%
Pellet Size	Diameter	3.0 - 5.0	mm
Particulate Filtration	150µm mesh	100	% Retained
Colour	Colour Spectrophotometer	L>69, a>-6.5, b<10	Absolute L a*b*

This information is offered solely as a guide for your consideration and investigation. The values quoted are based on tests conducted on representative samples and are indicative only. It is not to be construed as a warranty or representation for which Visy assumes legal liability, except to the extent that such liability is imposed by legislation and cannot be excluded.

## Recyclable

Visy recovers, re-processes and re-manufactures, supporting the circular economy

## Reliable

We deliver unwavering quality and precision throughout the production and supply process

## Innovative

Leveraging cutting edge technology, our plastics will fit your product needs



## Add the Re+ symbol to your products

The Visy **Re+** symbol signifies your commitment to circular economy principles.

Representing recycling and sustainability, it embodies your dedication to investing in environmentally responsible packaging solutions, advanced resource recovery, and minimising our environmental footprint.

Contact Visy for more information  
[marketing@visy.com.au](mailto:marketing@visy.com.au)



## More recycling, less landfill



Visy uses recyclable materials  
and re-makes them back into  
sustainable packaging

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Visy owns the largest network of Material  
Recovery Facilities (MRFs) in Australia

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Visy process recyclables from over **3.8  
million** households and more than **8,700**  
commercial and industrial customers

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In FY2023, we sorted and processed more  
than **1.8 million tonnes** of recyclables

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### Contact a specialist

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