

Visy rHDPE

Food grade

November 2024



The future of plastic is recycled

Visy helps divert high-density polyethylene (HDPE) plastic packaging away from landfill and turn it into new recycled plastic packaging.

An independent lifecycle analysis shows Visy's rHDPE offers significant greenhouse gas emissions and water savings.

Visy's 100% recycled rHDPE resin results in 46% less greenhouse gas emissions when compared to 100% virgin HDPE resin.*

For more information on the lifecycle analysis (LCA), please contact sustainability@visy.com



Resistant

To moisture, mould and rot

Lightweight

Easy to handle and transport

Versatility

Suitable for many packaging applications

Features and benefits

- 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
- Lightweight for handling and transport
- Resistant to mould and rot

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 ³
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*

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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

Using cutting edge technology to design products that cater to your every need



Add the Re+ symbol to your products

It represents that the product is made by Visy in ANZ, is made using some recycled content, and is recyclable in Australian and New Zealand kerbside bins.

Find out more about the Visy Re+ logo by contacting marketing@visy.com.au

* Based on a model developed by an independent lifecycle assessment practitioner comparing data from a lifecycle analysis of Visy recycled resin (which used Visy FY23 production and operational data) against the Carbon Minds inventory database for virgin resin (published in October 2022).



More recycling, less landfill



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

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

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

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

Contact a specialist

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