

# Product Data Sheet

## rPure-300: Recycled HDPE Resin (Non Food-Grade)



<b>Product Code and Name:</b>	Polymer rHDPE rPure-300	3215381
<b>Chemical description:</b>	Recycled High Density Polyethylene (rHDPE)	
<b>Origin:</b>	Produced using post-consumer mixed coloured HDPE bottles and containers (including their closures) collected in Australia from kerbside collections.	
<b>Form:</b>	Pellet.	
<b>Colour:</b>	Self-Coloured or "Jazz".	
<b>Application:</b>	Not for food contact applications.	
<b>Major End Use:</b>	Extrusion, Blow moulding, Compounding and Sheet extrusion.	
<b>Recycling Process:</b>	Erema Refresher for low-odour deodorised pellet.	

## Physical Properties

Property	Test Method	Indicative Values	Unit
Melt flow index (@ 2.16kg/190°C)	ASTM D1238	0.20 - 0.70	g/10 min
Tensile strength at yield	ASTM D638	20 - 34	MPa
Elongation at break	ASTM D638	800 - 900	%
Density	ASTM D792	0.953 - 0.965	g/cm <sup>3</sup>
Bulk Density	Mass/Volume	550-700	kg/m <sup>3</sup>
Pellet size	Diameter	3.0-5.0	mm

**Please contact your local Circular Plastics Australia PE Pty Ltd sales representative with any queries.**

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