

Specifications for Recycled HDPE Milk Bottle Resin

This resin is manufactured for local South Island sourced post-consumer milk bottle.

The material is shredded and washed through Comspec's Wash Plant and reprocessed through our G105 Compac Extruder, filtered through a 5 layer screen pack to 100 micron.

This material has been used to manufacture drainage pipe in New Zealand and Australia for the last 8 years.

Nominal Physical Properties:

PROPERTY	UNIT	VALUE
Density	g/cm ³	0.961
Melt Flow Index	g/10 min	0.75
ESCR	h	10
Tensile Yield Strength	MPa	30
Elongation at Break	%	>300
Brittleness Temperature	°C	<-90
Flexural Modulus	MPa	1650

These values are indicative of the Virgin Marlex EHM 6007 (High Density Polyethylene Homopolymer) resin used to manufacture the original milk bottle.

Values may change marginally due to the reprocessing process at Comspec and are beyond our processing control therefore variances may occur during testing.

Nominal processing temperature range of 170°C to 205°C

29 January 2020

Chris Williams – General Manager
Packtech Mouldings
32 Link Drive
Rolleston 7675

Dear Chris

Re: Post-Consumer Waste HDPE

This letter is to advise you that all the reprocessed Post-Consumer Waste HDPE (non-coloured) that Comspec supplies to Packtech Mouldings is locally sourced and processed here in New Zealand.

Yours sincerely



Stephanie Fowler
Office Manager