

Helping you mould your future



# Technical Data Sheet

## Vision Plastics New Zealand Ltd

3 Furnace Place, Silverdale, Auckland, NZ

P O Bo 443, Silverdale 0944

Telephone 09 427 0674

## Product Description

VP308 is a butene co-polymer based linear medium density polyethylene with narrow molecular weight distribution displaying excellent processability, toughness and impact strength. VP308 is suitable for applications where low warpage and fast sintering times are required.

VP308 is compliant with the U.S. food & drug Administration regulation 21 CFR 177.1520 entitled "Olefin Polymers" currently in effect.

The base polymer in VP308 has been tested to, and passed the requirements of EU regulation 10/2011, food contact.

VP308 contains a long term UV8 stabilisation package.

VP308 is available in our standard stock colour range.

# VP308

## LMDPE

### Rotational Moulding Grade

Melt Flow Index: 6.0  
Density: 0.932

#### Typical Applications

Recreational Equipment  
Toys  
Agricultural Equipment  
Playground Equipment  
Mussel Floats  
Industrial Bin Lids

## Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	6.0	g/10 min	ASTM D 1238
Density	0.932	g/cm <sup>3</sup>	ASTM D 1505
ESCR Condition B F50 (100% IGEPAL)	>500	Hrs	ASTM D 1693
ESCR Condition B F50 (10% IGEPAL)	-	Hrs	ASTM D 1693
Flexural Modulus (1% Secant, 12.7mm/min)	630	MPa	ASTM D 790
Tensile Strength at Yield (50mm/min) <sup>3</sup>	15	MPa	ASTM D 638
Elongation at Break (50mm/min) <sup>3</sup>	900	%	ASTM D 638
ARM Impact Strength (3.2mm sample at -40 C) <sup>2</sup>	94	J	ARM
Shore Hardness	65	Shore D	ASTM D 2240

\* ARM Impact samples cured at PIAT 200 °C

Data values shown are average values for the base resin and should not be used for specification limits.

Vision Plastics NZ Limited disclaims responsibility for results of the use of this information. Please be guided by your own tests to determine the suitability of the product for each particular application.