



Technical Data Sheet

Vision Plastics New Zealand Ltd
3 Furnace Place, Silverdale, Auckland, NZ
P O Box 443, Silverdale 0944
Telephone 09 427 0674

Product Description

VP303 is a hexene co-polymer based linear medium density polyethylene which exhibits high flow and medium stiffness for general purpose applications

The base resin in VP303 is compliant with the food contact requirements of the FDA and the Australian food contact requirements of AS2070 and drinking (potable) water standard AS/NZS 4020:2005.

VP303 offers a good balance of flow and mechanical properties whilst impact strength and environmental stress crack resistance are maintained. VP303 contains a long term UV package greater than UV8.

VP303

LMDPE Rotational Moulding Grade

Melt Flow Index: 6.0
Density: 0.936

Typical Applications
Recreational Equipment
Toys
Agricultural Equipment
Playground Equipment
Mussel Floats

Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	6.0	g/10 min	ASTM D 1238
Density	0.936	g/cm ³	ASTM D 1505
ESCR Condition A F50 (100% IGEPAL)	>1000	Hrs	ASTM D 1693
ESCR Condition A F50 (10% IGEPAL)	130	Hrs	ASTM D 1693
Flexural Modulus (1.3mm/min) ³	760	MPa	ASTM D 790
Tensile Strength at Yield (50mm/min) ³	17	MPa	ASTM D 638
Elongation at Break (50mm/min) ³	750	%	ASTM D 638
ARM Impact Strength (3.2mm sample at -40 C) ²	102	J	ARM
Shore Hardness	50	Shore D	ASTM D 2240

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.