



Technical Data Sheet

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Product Description

VP304 is a hexene co-polymer based linear high density polyethylene and has specifically been designed for the moulding of parts that require high stiffness, good flow with moderate impact strength.

VP304 is compliant with the U.S. food & drug Administration regulation 121.2501 entitled "Olefin Polymers" currently in effect.

VP304 contains a long term UV8 stabilisation package.

VP304

HDPE Rotational Moulding Grade

Melt Flow Index: 6.0
Density: 0.945

Typical Applications
Industrial Parts
Automotive Components
Small Water Tanks

Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	6.0	g/10 min	ASTM D 1238
Density	0.945	g/cm ³	ASTM D 1505
ESCR Condition A F50 (100% IGEPAL)	70	Hrs	ASTM D 1693
ESCR Condition A F50 (10% IGEPAL)	25	Hrs	ASTM D 1693
Flexural Modulus (2% Secant, 12.7 mm/min)	910	MPa	ASTM D 790
Tensile Strength at Yield (50mm/min) ³	20	MPa	ASTM D 638
Elongation at Break (50mm/min) ³	460	%	ASTM D 638
ARM Impact Strength (3.2mm sample at -40 C) ²	68	J	ARM
Shore Hardness	63	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.