



Technical Data Sheet

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Product Description

VP307 is a hexene co-polymer based linear medium density polyethylene and is suitable for the moulding of large tanks where a balance of good flow and long term creep resistance is required.

The base resin in VP307 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.

VP307 offers excellent ESCR, impact strength and contains a long term UV stabilisation package greater than UV8.

The base resin in VP307 is certified as compliant with the AS/NZS: 4766 Polyethylene Storage Tanks for Water and Chemicals

VP307

LMDPE Rotational Moulding Grade

Melt Flow Index: **3.0**
Density: **0.939**

Typical Applications
Large Water Tanks
Chemical Tanks
Silos

Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	3.0	g/10 min	ASTM D 1238
Density	0.939	g/cm ³	ASTM D 1505
ESCR Condition A F50 (100% IGEPAL)	>1000	Hrs	ASTM D 1693
ESCR Condition A F50 (10% IGEPAL)	200	Hrs	ASTM D 1693
Flexural Modulus (2% Secant, 12.7mm/min)	600	MPa	ASTM D 790
Tensile Strength at Yield (50mm/min) ³	17	MPa	ASTM D 638
Elongation at Break (50mm/min) ³	700	%	ASTM D 638
ARM Impact Strength (3.2mm sample at -40 C) ²	95	J	ARM
Shore Hardness	60	Shore D	ASTM D 2240

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

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