



# Technical Data Sheet

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## Product Description

VP306 is a butene co-polymer based linear medium density polyethylene with narrow molecular weight distribution displaying excellent processability, toughness and impact strength. VP306 is suitable for applications where low warpage and fast sintering times are required.

VP306 is compliant with the U.S. food & drug Administration regulation 121.2501 entitled "Olefin Polymers" currently in effect.

VP306 contains a long term UV8 stabilisation package.

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## VP306

### LMDPE Rotational Moulding Grade

Melt Flow Index: **5.0**  
Density: **0.930**

**Typical Applications**  
Recreational Equipment  
Toys  
Agricultural Equipment  
Playground Equipment  
Mussel Floats  
Industrial Bin Lids

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## Physical Characteristics

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	5.0	g/10 min	ASTM D 1238
Density	0.930	g/cm <sup>3</sup>	ASTM D 1505
ESCR Condition A F50 (100% IGEPAL)	>1000	Hrs	ASTM D 1693
ESCR Condition A F50 (10% IGEPAL)	N/A	N/A	ASTM D 1693
Flexural Modulus (1% Secant, 12.7mm/min)	600	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>	95	J	ARM
Shore Hardness	60	Shore D	ASTM D 2240

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

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Please be guided by your own tests to determine the suitability of the product for each particular application.