

# Alkathene® LD6622

Low Density Polyethylene

Qenos Pty Ltd

## Message:

Alkathene® LD6622 is a high flow injection moulding grade of low density polyethylene.  
Alkathene® LD6622 is intended for use in the production of thin-walled injection mouldings. Alkathene® LD6622 is not recommended for high stress crack resistance applications. Suitability for use in any application should be determined by appropriate performance testing.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	Low Density		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	< 1.00	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	12.0	MPa	ASTM D638
Flexural Modulus - 1% Secant	270	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	112	°C	ASTM D3418
NOTE			
1.	500 mm/min		

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