

# Alkadyne™ MD0898-1

Medium Density Polyethylene

Qenos Pty Ltd

## Message:

Alkadyne MD0898-1 is a black, high molecular weight MDPE co-polymer, developed as a general purpose extrusion resin for use in wire & cable applications.

Alkadyne MD 0898-1 has been designed for uses as a jacketing compound for buried wires and cables where abrasion resistance and cut-through resistance in rocky terrain is required. Suitability for use in any application should be determined by appropriate performance testing.

General Information			
Additive	Carbon Black		
Features	General Purpose		
	Good Abrasion Resistance		
	High Molecular Weight		
	Medium Density		
Uses	Cable Jacketing		
	Wire & Cable Applications		
	Wire Jacketing		
Agency Ratings	AS 1049-2003		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	15	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (2.00 mm, 100% Igepal CO-630, F0)	> 250	hr	AS 1049.2
Carbon Black Content <sup>1</sup>	2.3	%	ASTM D1603
Carbon Black Dispersion			ISO 18553
Appearance	>A		
Rating	< 3		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	18.0	MPa	
Break	25.0	MPa	
Tensile Elongation (Break)	800	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation	> 80	%	ASTM D638
NOTE			
1.	ASTM D1606		

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