

Qenos PE MD0898-1

Medium Density Polyethylene

Qenos Pty Ltd

Message:

MD 0898-1 is a black, high molecular weight MDPE co-polymer, developed as a general purpose extrusion resin for use in wire & cable applications. 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. It can also be used for line-wire and drop-wire applications in a wide range of environments. Suitability for use in any application should be determined by appropriate performance testing.

MD 0898-1 meets the requirements of the Telecommunications cables - Insulation, sheath and jacket standards AS 1049 - 1996. MD 0898-1 is suitable for food contact applications and conforms to the requirements of AS2070.

General Information			
Additive	Carbon black (2%)		
Features	High molecular weight		
	Copolymer		
	Good wear resistance		
	Compliance of Food Exposure		
	General		
Uses	Cable sheath		
	Wire and cable applications		
Agency Ratings	AS 1049-1996		
	AS 2070-1999		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.12	g/10 min	ASTM D1238
190°C/21.6 kg	15	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	5000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	18.0	MPa	ASTM D638
Fracture	25.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638

Additional Information

Carbon Black, ASTM D1606: 2.25%Carbon Black Dispersion, AS 1049: Rating 1, better than AOxidative Induction Time, ISO/TR 10837, 210°C: >20 minElongation after Ageing, ASTM D638: >80%

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