Qenos PE MD0898

Medium Density Polyethylene

Qenos Pty Ltd

Message:

MD0898 is a black, high molecular weight PE80 MDPE co-polymer, developed as a general purpose resin for use in pressure and non-pressure pipes, where service life to 100 years is required. MD0898 offers excellent chemical resistance and slow crack growth resistance. MD0898 will provide excellent resistance to the effects of ultra-violet light exposure in outdoor applications due to well dispersed carbon black.

MD0898 has been designed for extrusion into a full range of pipes, where medium density, PE80 Type B resins are required. MD0898 is suitable for use in the transport of a wide range of fluids for industrial, rural and mining applications, including potable water. Suitability for use in any application should be determined by appropriate performance testing.

MD0898 complies to AS/NZS 4131 2010 for PE80 Type B pipe compounds. It is intended to be used in pipes conforming to AS/NZS 4130.

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190°C/5.0 kg 0.70 g/10 min	Melt Mass-Flow Rate (MFR)			ASTM D1238	
	190°C/21.6 kg	15	g/10 min		
Hardness Nominal Value Unit Test Method	190°C/5.0 kg	0.70	g/10 min		
	Hardness	Nominal Value	Unit	Test Method	

Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (1.90 mm)	900	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 1.90 mm	21.0	MPa	
Break, 1.90 mm	32.0	MPa	
Tensile Elongation ³ (Break, 1.90 mm)	900	%	ASTM D638
Flexural Modulus - 1% Secant ⁴	820	MPa	ASTM D790
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	Type IV, 50 mm/min		
4.	13 mm/min		

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