

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.

General Information			
Additive	Carbon Black		
Features	Copolymer		
	Food Contact Acceptable		
	General Purpose		
	Good Chemical Resistance		
	Good Crack Resistance		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Fluid Handling		
	General Purpose		
	Industrial Applications		
	Piping		
Agency Ratings	AS/NZS 4131		
	PPI PE-80		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	15	g/10 min	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT