

DESCRIPTION

Alkadyne MDF169 is a non-pigmented, high molecular weight MDPE co-polymer, developed as a general purpose resin for use in non-standard pipe applications. Alkadyne MDF169 contains antioxidants to protect it during extrusion and end use.

APPLICATION

Alkadyne MDF169 has been designed for extrusion into a full range of non-standard pipe products. Alkadyne MDF169 is not designed for use in pipes compliant to AS/NZS 4130. Addition of a UV stabilizer should be considered where the intended application involves intermittent to extended exposure to sunlight. Suitability for use in any application should be determined by appropriate performance testing.

PRODUCT SAFETY

For product safety information please refer to the Safety Data Sheet at qenos.com.

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 5.0 kg	1.0	g/10 min	ASTM D1238
Melt Index @ 190°C, 21.6 kg	21	g/10 min	ASTM D1238
Density	0.943	g/cm ³	ASTM D1505/D2839

Pipe Properties	Value ¹	Units	Test Method
Tensile Strength at Break ²	32	MPa	ASTM D638
Tensile Strength at Yield ²	21	MPa	ASTM D638
Elongation at Break ²	900	%	ASTM D638
Elastic Modulus ²	900	MPa	ASTM D638
Oxidative Induction Time (210°C)	>20	Minutes	ISO11357-6

1. Typical values - not to be construed as specifications.
2. At 50 mm/min cross head speed, I. type 4 dumbbell and 1.9 mm thickness.

For up to date information, refer to qenos.com

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