

AlkateQ™ POLYETHYLENE

ENGINEERING THERMOPLASTIC

AlkateQ™ IS A REGISTERED TRADEMARK OF MARPLEX AUSTRALIA PTY. LTD.

ALKATEQ™ XDS34P

ALKATEQ™ XDS34P is a natural, unpigmented, additive free, low density polyethylene ground powder with a typical particle size of 95% <500 micron. ALKATEQ™ XDS34P conforms to the requirements of the United States Food and Drug Administration Regulations CFR21 177.1520, paragraph (c), item 2.1. and, when used in accordance with FDA application guidelines, is suitable for food contact applications.

Typical applications include abrasive additive in industrial cleansers and non slip coatings.

Note: The product code followed by letters “-NAT” indicates natural, uncoloured product.

	<u>CONDITIONS</u>	<u>UNITS</u>	<u>TYPICAL VALUES</u>	<u>TESTING METHODS</u>
<u>1. Physical Properties</u>				
Density (base polymer)		g/cm ³	0.922	ASTM D1505
Bulk Density (powder)		g/cm ³	0.30	ASTM D1895
Particle Size Distribution	1180 um sieve	%	0	ASTM D1921
	710 um sieve	%	2 max	ASTM D1921
	500 um sieve	%	5 max	ASTM D1921
	425 um sieve	%	30 max	ASTM D1921
	355 um sieve	%	25 max	ASTM D1921
	300 um sieve	%	15 - 40	ASTM D1921
	212 um sieve	%	15 - 40	ASTM D1921
	150 um sieve	%	25 max	ASTM D1921
	pan	%	20 max	ASTM D1921

All test results were obtained using uncoloured material.

Issued: May 2016

Material Safety Data Sheet (MSDS): Code 8851

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TYPICAL PROCESSING CONDITIONS

ALKATEQ™ XDS34P

The following typical guidelines are offered as initial processing conditions for **ALKATEQ™ XDS34P**. In practice, processing parameters may need to be varied to give commercially acceptable performance in conjunction with optimum physical properties. For specific technical advice on part design or processing conditions, contact the Marplex Technical Service Department.

Comment(s):

- 1 Values quoted for ALKATEQ™ XDS34P are average result of tests on representative samples; and the product supplied may not conform in all respects.
- 2 Marplex reserves the right to make any improvements or amendments to the composition of any grade or product without alteration to the code number.
- 3 In using Marplex's products; you must establish for yourself the most suitable formulation; production method and control tests; to ensure the uniformity and quality of your product in compliance with all laws.
- 4 This information is offered solely for your consideration; investigation; verification and shall not be construed as a warranty or representation for which Marplex assumes legal liability except to the extent that such liability is imposed by legislation.

Conversions:

- 1 MPa = 145 psi
- = 10.2 kg/cm²
- = 10 bar
- °C = 5(F-32)/9
- 1 kN/cm² = 0.65 ton/in²