

Alkathene®

Polyethylene



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| Grade |
| XDS34 |

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| Major End Use |
| FILM EXTRUSION - ADDITIVE FREE, HEAVY DUTY |

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| Description |
| XDS34 is a low density polyethylene designed for a variety of heavy gauge (70 - 200 µm) applications. XDS34 does not contain any additives. |

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| Application |
| XDS34 is intended for use in heavy gauge (70 - 200 µm) applications such as sacks, palletwrap and a variety of industrial films. |

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| Specifications |
| If this product is used for food contact applications, then the user needs to ensure compliance with the requirements of AS2070-1999 and relevant FDA regulations. When used in accordance with FDA application guidelines, this product meets the requirements of FDA 21 CFR 177.1520 (c) 2.1 and AS2070-1999 section 4.1.1(a). This product should not be used in applications for holding food during cooking without the required compliance testing. This information is only for the Major End Use described on this Product Data sheet. For further information, please contact your primary Qenos contact. |

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| Safety |
| Material Safety Data Sheets are available for all Qenos polyethylene grades from Qenos. |



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Qenos Pty Ltd ACN 054 196 771

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| Grade |
| XDS34 |

| Physical Properties | | | | |
|---|----|--------------------------|--------------------|-------------------|
| Property | | Test Method ¹ | Value ² | Units |
| Base Polymer Properties | | | | |
| Melt Index @190°C, 2.16kg | | ASTM D1238 | 0.30 | g/10 min |
| Density | | ASTM D1505 | 0.922 | g/cm ³ |
| Typical Film Properties (measured at 110µm, Blow Ratio 3.2 to 1) | | | | |
| Haze | | ASTM D1003 | 9.0 | % |
| Gloss | | ASTM D2457 | 68 | Units |
| Dart Impact (F ₅₀) | | ASTM D1709 | 410 | g |
| Tear Strength | MD | ASTM D1922 | 6.8 | N |
| | TD | | 8.9 | N |
| Tensile Yield | MD | ASTM D882 | 9 | MPa |
| | TD | | 11 | MPa |
| Tensile Strength | MD | ASTM D882 | 27 | MPa |
| | TD | | 20 | MPa |
| % Strain at Break | MD | ASTM D882 | 660 | % |
| | TD | | 850 | % |
| Stiffness Modulus (2% Secant) | MD | ASTM D882 | 160 | MPa |
| | TD | | 180 | MPa |
| C.O.F | | ASTM D1894 | >0.4 | Units |

1. Test procedures may be modified to accommodate operating conditions or facility limitations .
2. Typical values - not to be construed as specifications .

For up to date information, refer to www.qenos.com

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Values quoted for "Alkathene" polyethylene are the result of tests on representative samples; and the product supplied may not conform in all respects. Qenos Pty Ltd reserves the right to make any improvements or amendments to the composition of any grade or product without alteration to the code number.

In using Qenos Pty Ltd'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.

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