

# MM S&P 500 Index Fund MIEAX

Class R4

**Benchmark**  
S&P 500 TR USD

**Overall Morningstar Rating™**  
★★★  
Out of 1205 Large Blend funds. An investment's overall Morningstar Rating, based on its risk-adjusted return, is a weighted average of its applicable 3-, 5-, and 10-year Ratings. See disclosure for details.

**Morningstar Return**  
Average

**Morningstar Risk**  
Average

## Investment Objective & Strategy

The investment seeks to approximate as closely as practicable (before fees and expenses) the capitalization-weighted total rate of return of that portion of the U.S. market for publicly-traded common stocks composed of larger-capitalized companies.

The fund invests at least 80% of its net assets (plus the amount of any borrowings for investment purposes) in the equity securities of companies included within the S&P 500® Index. It invests in the equity securities of companies included in the index in weightings that approximate the relative composition of the securities contained in the index, and in S&P 500 Index futures contracts.

### Category Description: Large Blend

Large-blend portfolios are fairly representative of the overall US stock market in size, growth rates and price. Stocks in the top 70% of the capitalization of the US equity market are defined as large cap. The blend style is assigned to portfolios where neither growth nor value characteristics predominate. These portfolios tend to invest across the spectrum of US industries, and owing to their broad exposure, the portfolios' returns are often similar to those of the S&P 500 Index.

## Volatility Analysis



In the past, this investment has shown a relatively moderate range of price fluctuations relative to other investments. This investment may experience larger or smaller price declines or price increases depending on market conditions. Some of this risk may be offset by owning other investments with different portfolio makeups or investment strategies.

Best 3 Month Return	Worst 3 Month Return
25.78%	-29.85%
(Mar '09 - May '09)	(Sep '08 - Nov '08)

## Operations as of 02-01-19

Expense	Ratio %	Per \$1000
Gross Expense	0.62	6.20
Net Expense	0.62	6.20

Fund Inception Date: 02-27-98

Waiver Data	Type	Exp. Date	%
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## Portfolio Manager(s)

Brent Reeder  
Management Company: MML Investment Advisers, LLC  
Name of Issuer: MassMutual

## Notes

See disclosure page for more details.

## Performance



**Performance Disclosure:** The performance data given represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; so an investor's shares/units, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein.

## Portfolio Analysis as of 06-30-19

### Composition as of 06-30-19

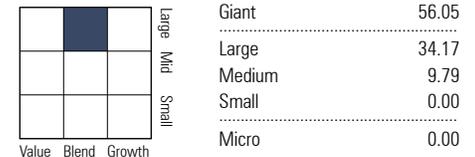


### Top 10 Holdings as of 06-30-19

Company	% Assets
Microsoft Corp	4.11
Apple Inc	3.47
Amazon.com Inc	3.14
Facebook Inc A	1.86
Berkshire Hathaway Inc B	1.66
Johnson & Johnson	1.48
JPMorgan Chase & Co	1.45
Alphabet Inc Class C	1.33
Alphabet Inc A	1.30
Exxon Mobil Corp	1.30

Total Number of Stock Holdings	506
Total Number of Bond Holdings	0
Annual Turnover Ratio %	5
Total Fund Assets (\$mil)	3,372.0

### Morningstar Equity Style Box™ as of 06-30-19



### Morningstar Equity Sectors as of 06-30-19

Sector	% Fund	S&P 500 %
Cyclical	33.28	33.24
Basic Materials	2.46	2.46
Consumer Cyclical	12.20	12.21
Financial Services	15.93	15.89
Real Estate	2.69	2.68
Sensitive	41.59	41.61
Communication Services	3.48	3.48
Energy	5.04	5.05
Industrials	10.10	10.10
Technology	22.97	22.98
Defensive	25.12	25.14
Consumer Defensive	7.72	7.73
Healthcare	14.09	14.10
Utilities	3.31	3.31

## Principal Risks as of 06-30-19

Loss of Money, Not FDIC Insured, Index Correlation/Tracking Error, Market/Market Volatility, Equity Securities, Industry and Sector Investing, Derivatives, Pricing, Cash Drag, Management, Large Cap