

MassMutual Strategic Emerging Markets Fund*

Invesco Advisers, Inc.

I:MPZSX

R5:MPSMX

SVC:MPEYX

ADM:MPLSX

A:MPASX

R4:MPRSX

R3:MPZRX

Fund Objective:

The Fund seeks long-term capital growth.

Morningstar Category: Diversified Emerging Markets

Fund Net Assets: \$181M

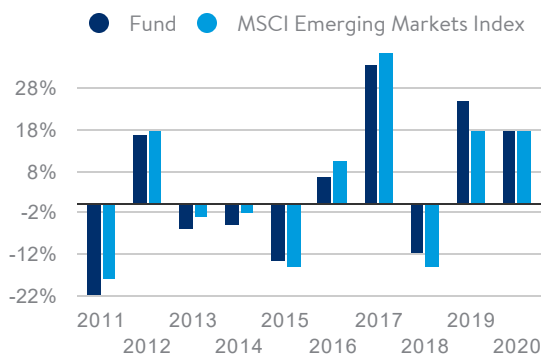
Fund Inception Date: 11/03/2008

Trailing Returns:**

	Average Annual Total Return					
	QTD	YTD	1Yr	3Yr	5Yr	10Yr
MassMutual Strategic Emerging Markets I	5.42	6.37	36.72	11.65	13.69	3.49
MSCI Emerging Markets Index	5.05	7.45	40.90	11.27	13.03	4.28
Category Average Return	-	-	41.79	11.48	12.18	4.39
Category Rank ¹	-	-	76	39	29	70
# Funds in Category ¹	-	-	789	701	602	306

Performance shown is for class I shares. Max Sales charge for I is 0%.

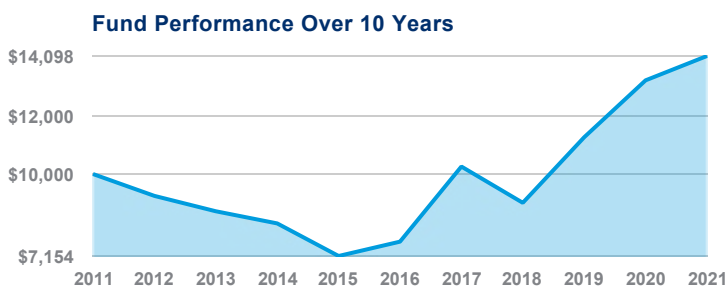
Calendar Year Returns:**



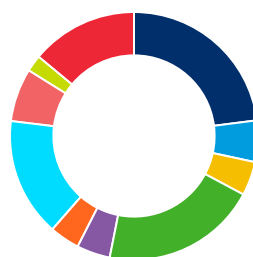
Asset Allocation:

Cash	2.47%
US Equity	0.15%
Non-US Equity	95.81%
Other	1.57%
# of Stock Holdings	83

Growth of \$10,000:**



Sector Allocation:



Consumer Discretionary	22.05%
Consumer Staples	5.19%
Energy	4.25%
Financials	19.50%
Healthcare	4.18%
Industrials	3.77%
Information Technology	14.87%
Materials	6.66%
Real Estate	2.08%
Communication Services	13.40%
Utilities	0.00%

*Prior to 05/01/2021, the fund name was MassMutual Premier Strategic Emerging Markets Fund.

**Performance shown is for class I shares. Current performance may be higher or lower. Max Sales charge for I is 0%.

Performance data given represents past performance and does not guarantee future results. Current performance may be lower or higher than return data quoted herein. For more current information, including month-end performance, please call 1-866-444-2601. The investment return and the principal value of an investment will fluctuate; so an investor's shares, when redeemed, may be worth more or less than their original cost. Investment portfolio statistics change over time. Returns shown do not reflect the impact of plan fees, which will reduce performance. Investment portfolio statistics change over time. You cannot invest directly in an index.

Performance Returns - reflect performance of the investment without adjusting for sales charges or the effects of taxation, but is adjusted to reflect all actual ongoing investment expenses and assumes reinvestment of dividends and capital gains (if applicable). If adjusted, sales charges would reduce the performance quoted. In addition, due to market volatility, performance may vary greatly over short periods of time. The investment's performance is generally compared with that of an index. The index is an unmanaged portfolio of specified securities and does not reflect any initial or ongoing expenses nor can it be invested in directly. An investment's portfolio may differ significantly from the securities in the index. The index may not be the same as the comparative index noted in the investment's prospectus (if applicable).

The Growth of \$10,000 - graph shows an investment's performance based on how \$10,000 invested in the investment would have grown over time. The growth of \$10,000 begins at the investment's inception date or the first year listed on the graph, whichever is appropriate.

MassMutual Strategic Emerging Markets Fund*

World Regions - Country Breakdown:

North America	0.00%
Latin America	14.23%
United Kingdom	0.36%
Europe Developed	8.84%
Europe Emerging	9.11%
Africa/Middle East	1.22%
Japan	0.00%
Australia	0.00%
Asia Developed	13.71%
Asia Emerging	48.49%

Expense Ratios:

	Inception Date	Gross Expense	Net Expense
I	03/01/2011	1.27%	1.15%
R5	11/03/2008	1.37%	1.25%
Svc	11/03/2008	1.47%	1.35%
Admin	11/03/2008	1.57%	1.45%
A	11/03/2008	1.82%	1.70%
R4	04/01/2014	1.72%	1.60%
R3	04/01/2014	1.97%	1.85%

The expenses in the above table reflect a contractual agreement by MML Advisers to cap the fees and expenses of the Fund through January 31, 2022. Please refer to the Funds prospectus for more information.

Risk/Return Statistics:***

	Fund	Benchmark
Standard Deviation	15.73	16.24
Information Ratio	0.16	-
Alpha	1.27	-
Beta	0.94	1.00
R2	0.94	1.00
Tracking Error	4.01	-
Sharpe Ratio	0.82	0.77
Upside Capture	96.52	100.00
Downside Capture	90.43	100.00
Batting Average	50.00	-

Fund Rankings:¹

	MorningStar Rating	Funds in Category
Overall Rating	★★★★	701
3 Year	★★★★	701
5 Year	★★★★	602
10 Year	★★★	306

Portfolio Managers:

	Managed Since
Justin Leverenz, CFA Invesco	Oct. 2013

**Performance shown is for class I shares.

***Risk statistics are calculated over a five year period, computed monthly.

¹Morningstar Rating™ - Category-Diversified Emerging Markets. For each investment with at least a three-year history, Morningstar calculates a Morningstar Rating™ based on how an investment ranks on a Morningstar Risk-Adjusted Return measure against other investments in the category. This measure takes into account variations in an investment's monthly performance after adjusting for sales loads (except for load-waived A shares), redemption fees, and the risk-free rate, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of investments in each category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars and the bottom 10% receive 1 star. The Overall Morningstar Rating for an investment is derived from a weighted average of the ratings for the three-, five- and ten-year (if applicable) time periods. The Morningstar percentile ranking is based on the fund's total-return percentile rank relative to all funds that have the same category for the same time period. The highest (or most favorable) percentile rank is 1%, and the lowest (or least favorable) percentile rank is 100%. Morningstar total return includes both income and capital gains or losses and is not adjusted for sales charges. ©2021 Morningstar, Inc. All Rights Reserved. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information.

The Fund's **Principal Risks** include - Equity Securities Risk, Foreign Investment Risk, Emerging Markets Risk, Currency Risk, China Investment Risk, Derivatives Risk, Growth Company Risk, Large Company Risk, Small and Mid-Cap Company Risk, Stock Connect Risk, Cash Position Risk, Convertible Securities Risk, Geographic Focus Risk, Liquidity Risk, Management Risk, Market Risk, Preferred Stock Risk, Sector Risk, Valuation Risk.

Risk Statistics- Standard Deviation is a statistical measurement, which for a mutual fund depicts how widely the returns varied over a certain period of time. When a fund has a high standard deviation, performance is wide, implying greater volatility. **Information Ratio** measures the performance of an investment compared to a benchmark index, after adjusting for its additional risk. **Alpha** is a measure of the difference between a fund's actual returns and its expected performance, given its level of risk as measured by beta. A positive alpha figure indicates the fund has performed better than its beta would predict. In contrast, a negative alpha indicates the fund's underperformance, given the expectations established by the fund's beta. **Beta** is a measure of sensitivity to market movements. The beta of the market is 1.00. A beta of 1.10 shows that the fund's excess return is expected to be 10% better than the market's excess return in an up market or 10% worse in a down market. A beta of .85 indicates that the fund's excess return is expected to perform 15% less than the market's excess return during up markets and 15% greater during down markets. **R-squared (R2)** measures the degree of relationship between the performance of the fund and that of the index. The higher the R-squared, the more related the fund's performance is to its index. **Tracking Error** is also known as active risk and is the degree to which the strategy differed from its index or benchmark. The higher the Tracking Error, the more the fund deviated from its index. **Sharpe Ratio** measures risk adjusted performance; it is calculated as the real total return of the fund (total return-risk free rate) divided by the risk of the fund (standard deviation). **Upside/downside capture** shows whether a given fund has outperformed--gained more or lost less than--a broad market benchmark during periods of market strength and weakness, and if so, by how much. An upside capture ratio over 100 indicates a fund has generally outperformed the benchmark during periods of positive returns for the benchmark. A downside capture ratio of less than 100 indicates that a fund has lost less than its benchmark in periods when the benchmark has been in the red. **Batting Average** is a measure of a manager's ability to consistently beat its benchmark over the trailing five-year period.

MSCI Emerging Markets Index measures the performance of the large- and mid-cap segments of emerging market equity securities. It is free float-adjusted market-capitalization weighted. The Index does not reflect any deduction for fees or expenses and cannot be purchased directly by investors.

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Investors should consider an investment option's objectives, risks, fees, and expenses carefully before investing. This and other information can be found in the applicable prospectuses or summary prospectuses, which are available from MassMutual by calling 1-866-444-2601. Please read them carefully before investing.