

Valtra[®] MC3500

General Purpose Polystyrene

Features

- Fast cycling & easy flow characteristics
- Excellent mold release properties.

Typical Applications

- Toys
- Containers
- Instruments and home applications.

For a Material Safety Data Sheet (MSDS), visit our site at www.saudipolymers.com

Nominal Physical Properties ¹	ASTM Method	Condition	English	SI
Specific Gravity	D792	-	1.04 g/cm ³	1.04 g/cm ³
Melt Flow	D1238	200 °C, 5kg	9 g/10min	9 g/10min
Izod Impact, Notched, 1/4"	D256	23 °C	0.25 ft-lb/in	13 J/m
Izod Impact, Notched, 1/8"	D256	23 °C	0.35 ft-lb/in	19 J/m
Vicat Softening Temperature	D1525	Rate B	215 °F	101 °C
Tensile Yield ²	D638	5 mm/min	7,200 psi	50 MPa
Tensile Rupture ²	D638	5 mm/min	7,200 psi	50 MPa
Tensile Elongation ²	D638	5 mm/min	3 %	3 %
Tensile Modulus ²	D638	5 mm/min	450,000 psi	3,100 MPa
Flexural Modulus ²	D790	2.5 mm/min	460,000 psi	3,170 MPa

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded.
2. 0.125 in. (3.2mm) injection molded specimen

This resin meets these specifications:

- U.S. Food Additive Regulation 21 CFR 177.1640 for polystyrene and rubber modified polystyrene
- UL 94HB

Revision Date: September 2011

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Saudi Polymers Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as any international laws which may be encountered in the use thereof. Such questions should be investigated by the user.

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