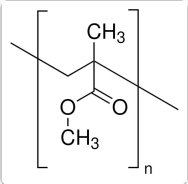


Insira o nome do produto, número da remessa, número do lote etc.

Voltar

> Self-Assembly & Contact Printing > 445746



445746

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Poly(methyl methacrylate)

★★★★★ (0) [Write a review](#)

average $M_w \sim 350,000$ by GPC

Sinônimo(s):
PMMA, Poly(methacrylic acid methyl ester)

Fórmula linear:
 $[CH_2C(CH_3)(CO_2CH_3)]_n$

Número CAS:

9011-14-7

Número MDL:

MFCD00134349

ID de substância PubChem:

24868198

NACRES:

NA.23

[Faça login](#) to View Organizational & Contract Pricing

Todas as
fotos (3)

Documentos

SDS

COO/COA

[Folha de especificação](#)

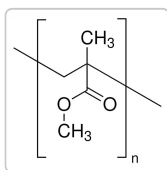
Mais
documentos

SKU	Tamanho da embalagem	Disponibilidade	Preço	Quantidade	
445746-25G	25 g	Only 6 left in stock (more on the way) Detalhes...	R\$ 550,00	- +	
445746-500G	500 g	Previsão de entrega em 07 de fevereiro de 2024	R\$ 2.339,00	- +	
445746-1KG	1 kg	Previsão de entrega em 07 de fevereiro de 2024	R\$ 3.743,00	- +	

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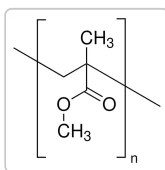
Adicionar ao carrinho

PRODUTOS RECOMENDADOS



Sigma-Aldrich
182230
Poly(methyl
methacrylate)

[Consultar o preço e a disponibilidade](#)



Sigma-Aldrich
200336
Poly(methyl
methacrylate)

[Consultar o preço e a disponibilidade](#)

PROPRIEDADES

forma powder

Nível de qualidade **100**

temperatura de autoignição 580 °F

peso molecular average $M_w \sim 350,000$ by GPC

viscosidade reduzida 150-160 cm³/g(20 °C)(lit.)

número de acidez <1 mg KOH/g

temperatura de transição T_g (DSC) 105 °C (midpoint)

solubilidade alcohols and aliphatic hydrocarbons: insoluble
esters, ketones, aromatics and glycol ethers: soluble

densidade 1.17 g/mL at 25 °C

InChI 1S/C5H9O2/c1-4(2)5(6)7-3/h1-3H3

InChI key PMAMJWJDBDSHV-UHFFFAOYSA-N

Procurando produtos similares? Visit [Guia de comparação de produtos](#)

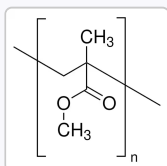
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COMPARAR ITENS SEMELHANTES

Show Differences ☐

Este Item



Sigma-Aldrich

445746

Poly(methyl methacrylate)

[Consultar o preço e a disponibilidade](#)

transition temp

 T_g (DSC) 105 °C (midpoint)

density

1.17 g/mL at 25 °C

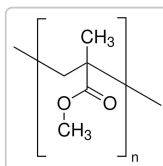
autoignition temp.

580 °F

mol wt

average M_w ~350,000 by GPC

reduced viscosity

150-160 cm³/g(20 °C)(lit.)

Sigma-Aldrich

200336

Poly(methyl methacrylate)

[Consultar o preço e a disponibilidade](#)

transition temp

 T_g (DSC) 105 °C (midpoint)

density

1.200 g/cm³

autoignition temp.

580 °F

mol wt

average M_w ~15,000 by GPC

reduced viscosity

-

DESCRIÇÃO

Descrição geral

The thermal degradation behaviour of PMMA (avg Mol. wt. ~350,000 g mol⁻¹) was investigated in inert atmosphere, four weight loss steps were observed.^[1]

Aplicação

PMMA (avg. Mol wt. ~350,000 g mol⁻¹) containing Fe₂O₃ and TiO₂ fillers have possible uses as flame retardants.^[2]

Pigment-wetting binder for coatings.

Características e benefícios

Contributes hardness, weather resistance, light fastness and resistance to chemicals.

INFORMAÇÕES DE SEGURANÇA

Código de classe de armazenamento

11 - Combustible
Solids

WGK

nwg

Equipamento de proteção individual

Eyeshields, Gloves,
type N95 (US)

DOCUMENTAÇÃO

[SDS](#)[Folha de especificação](#)

Certificados De Análise **Certificado De Origem** **Mais Documentos**

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Search for Certificates of Analysis (COA) by entering the products Lot/Batch Number. Lot and Batch Numbers can be found on a product's label following the words 'Lot' or 'Batch'.

Número do Lote

e.g. 023J5431

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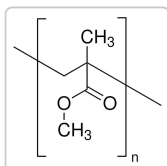
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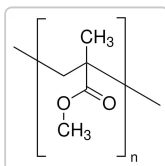
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[Solicitar COA](#)

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Supelco
81497
Poly(methyl
methacrylate)



NIST1488
Poly(methyl
methacrylate)

[Consultar o preço e a disponibilidade](#)[Consultar o preço e a disponibilidade](#)

ARTIGOS REVISADOS POR PARES

Thermal degradation of poly (methyl methacrylate)(PMMA): modelling of DTG and TG curves.

Ferriol M., et al.

Polymer Degradation and Stability, 79(2), 271-281 (2003)

Influence of TiO₂ and Fe₂O₃ fillers on the thermal properties of poly (methyl methacrylate) (PMMA).

Laachachi A., et al.

Material Matters, 59(1), 36-39 (2005)

Pleural infection 55 years after plompage for pulmonary tuberculosis.

Qian-kun Chen et al.

Asian cardiovascular & thoracic annals, 21(1), 100-100 (2013-02-23)

Neurological deficit due to cement extravasation following a vertebral augmentation procedure.

Gursukhman S Sidhu et al.

Journal of neurosurgery. Spine, 19(1), 61-70 (2013-05-07)

The authors endeavor to highlight the surgical management of severe neurological deficit resulting from cement leakage after percutaneous vertebroplasty and to systematically review the literature on the management of this complication. A patient presented after a vertebroplasty procedure for traumatic

Does pre-coating total knee tibial implants affect the risk of aseptic revision?

S A Bini et al.

The bone & joint journal, 95-B(3), 367-370 (2013-03-02)

We evaluated the impact of pre-coating the tibial component with polymethylmethacrylate (PMMA) on implant survival in a cohort of 16 548 primary NexGen total knee replacements (TKRs) in 14 113 patients. In 13 835 TKRs a pre-coated tray was used

Exibir todos os documentos relacionados

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Artigos

Graphene Field Effect Transistors for Biological and Chemical Sensors

Properties and Applications of Functionalized Graphene Oxide

Professor Aran (Claremont University, USA) thoroughly discusses the engineering of graphene based materials through careful functionalization of graphene oxide, a solution processable form of graphene.

Recent Trends in Self-Healing Soft Electronic Materials and Devices

Dr. Tan and researcher introduce recent trends in Self-healing Soft Electronic Materials and Devices. The emergence of smart, functional SHPs will be highly beneficial to the advancement of the next-generation self-...

Fluorescence Quenching Microscopy: Imaging Two-Dimensional Materials

Developed in the last several years, fluorescence quenching microscopy (FQM) has enabled rapid, inexpensive, and high-fidelity visualization of two-dimensional (2D) materials such as graphene-based sheets and MoS2.

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