

Product Handling Information Sheet

PMMA Optical HC (PLEXIGLAS® Optical HC)

Product Information

Product / Article	Technical semi-finished product
Short designation	PMMA (hard coated)
Material characterization	Thermoplastic
Main components	Polymethyl methacrylate (PMMA), one-sided hard coating
Components subject to labelling	none

Product Properties

Form / state	solid
Color	transparent, colorless
Odor	odorless
Density	1.19 g / cm ³
Glass transition temperature	≈ 105 °C
Vicat softening point	106 °C
Thermal decomposition	–
Flash point	–
Ignition temperature	–

Hazard Information

Specific hazards to humans and the environment	none
--	------

Handling and Storage

Handling	Sawing, milling and drilling are possible with the tools commonly used for PMMA. Flame polishing and thermoforming should be avoided due to possible cracking or detachment of the hard coating. The product should be at room temperature before processing, or stored for at least 24 hours under normal ambient conditions.
Storage	flat, dry, protected from direct sunlight and weather; leave protective film in place until further processing
Safety measures	–
Shelf life	–

Transport

Transport	Not classified as dangerous goods under transport regulations.
Packaging of the finished product	–

Firefighting Measures

Suitable extinguishing media	Water, foam, dry powder extinguishers, CO ₂
Possible combustion products	Carbon monoxide, carbon dioxide
Required protective equipment	Firefighters and other persons exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Note	Molten or burning product should be cooled with a water spray. Dispose of fire residues and contaminated extinguishing water in accordance with local regulations.

Disposal

Recyclability	PMMA is generally recyclable; check recycling options.
Classification per European Waste Catalogue (EWC)	The product is not classified as hazardous.
Disposal	Landfill or incineration in accordance with applicable national and local regulations.
Waste code (EWC)	• 12 01 05 – plastics shavings and turnings • 07 02 13 – waste plastic

Labelling

Labelling per EC directive	not subject to labelling requirements
----------------------------	---------------------------------------

REACH Information

Classification	Under EC Regulation 1907/2006 (REACH), Article 3 No. 3, our products are clearly defined as "articles" and are exempt from registration requirements.
----------------	---

Other Information

Note	All information above is based on our current knowledge and does not constitute a guarantee of specific properties. Applicable laws and regulations must be observed by the recipient of our products under their own responsibility.
------	---