



EMSODUR AG

Company and Product Information Emsodur GV, C and Thermoset

EMSODUR AG

- Family owned Ltd. Company
- Based on EMS-CHEMIE business site in Domat/Ems
- Manufacturers of high quality precision made deflashing media
- ISO 9001:2008 certified



Product range

- Emsodur GV



- Emsodur C



- Emsodur Urea + Melamine



EMSODUR GV

Deflashing metal diecast parts

Emsodur GV is a Nylon based and glass bead filled media that is ideal for blasting flashes off metal diecast parts





Emsodur GV sizes and colours

Type	Shape	Cube x Diagonal (mm)	Colour
EMSODUR GV	Cubic	0.75 x 1.30	red
EMSODUR GV	Cubic	1.00 x 1.76	red
EMSODUR GV	Cubic	1.50 x 2.64	red
EMSODUR GV	Cubic	2.00 x 3.52	red

On request we can offer special sizes, shapes and colours

EMSODUR C + S

Deflashing rubber moulded parts

Main Fields

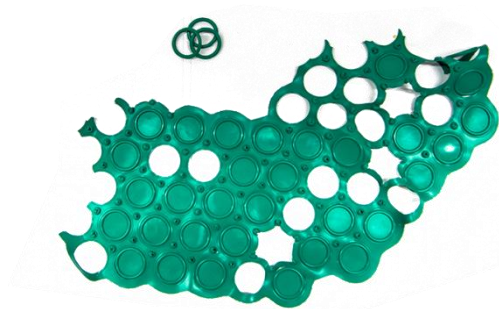
- **Automotive**



Cryogenic deflashing

Emsodur C: Rubber deflashing to -140°C

- O-rings
- Rubber Moulds
- Gaskets
- Grommets
- Valves



Cryogenic Deflashing Procedure

- **rubber parts are filled into machine**
- **parts are cooled with liquid nitrogen to required temperature depending on type of material**
- **Emsodur media is blasted on rubber parts until flash is removed**

Cryogenic Deflashing

Emsodur S: Rubber and Silicon deflashing
at temperatures down to -190°C

- Surgical tools
- Medical implants



Emsodur C + S sizes and colours

Type	Shape	Cube x Diagonal (mm)	Colour
EMSODUR C	Cylinder	0.50 x 0.70	Natural / White
EMSODUR C + S	Cubic or Cylinder	0.75 x 1.30	Natural / White / Blue
EMSODUR C + S	Cubic or Cylinder	1.00 x 1.76	Natural / White / Blue
EMSODUR C + S	Cubic or Cylinder	1.20 x 2.11	Natural / White / Blue
EMSODUR C + S	Cubic or Cylinder	1.50 x 2.64	Natural / White / Blue
EMSODUR C + S	Cubic or Cylinder	2.00 x 3.52	Natural / White / Blue

On request we can offer special sizes, shapes and colours



Why Emsodur ?

Lower operating costs

- Extremely low abrasion = extended operational life compared with other available media
- Low media costs: a product of lower consumption rate
X price per volume consumption

Example calculation

	Price	Durability	Total cost 24h
Competition	\$ 15.00/kg	15h	\$ 24.00/kg
Emsodur	\$ 20.00/kg	24h	\$ 20.00/kg
SAVINGS USING EMSODUR			\$ 4.00/kg

Why Emsodur ?

Exact cubic cut

- 8 corners and 10 additional edges compared to cylindrical media proves to be a more effective deflashing shape
- a cube has 27% more mass than a cylindrical shaped media. Means you can save 27% of deflashing time or reduce the consumption by minimum 27%

Why Emsodur ?

Dimensional Stability

- Each batch is checked for dimension and quality
- Production is permanently monitored
- The exact dimension eliminates the risk of parts getting jammed in the component or delicate parts being damaged by over-length granules

Why Emsodur ?

Stability of Quality

- Stability is guaranteed as we only use prime raw material of consistent quality
- No groundor regranulated raw material such as the competition uses

Choosing the suitable Emsodur Type

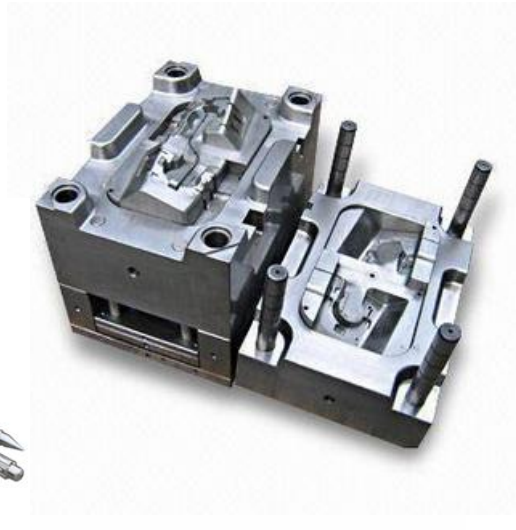
Emsodur – simple product for complex applications

2 Key Factors

- Application:
GV for metal die cast deflashing
Type C+S for rubber deflashing
- Dimension of media:
Size of part to deflash
Required kinetic energy required to remove flash

Emsodur Thermoset Media UREA, MELAMIN, ACRYLIC

- Cleaning injection moulding tools
- Cleaning of extrusion screws
- Paint removal / composite removal



Urea Type II media

Type II

UREA Media

Coarse Grade

3.5 MOH (54-62 Barcol)

Medium hardness, this media is suitable for general surface preparation work such as mould cleaning, removing carbon deposits from engines, paint and coatings removals, without distortion or damage to relevant substrates.



Melamin Type III media

Type III

Melamine Media

Medium Grade

4 MOH (64-72 Barcol)

High hardness, and as such, perfect in electronic applications, for printed circuit board cleaning, and in industrial applications for deflashing, deburring and dejunking.





Questions?

Ideas?

Requests?

**Thank you for our fruitful
business relationship!**