Specialty Chemicals, Plastics & Products

CHEMLINQ™ MCN-T20 Mold Conditioner

Transfer Grade Conditioning Pellets for Phenolic Based Epoxy Mold Compounds

- COMPATIBLE WITH WIDE RANGE OF MOLD DESIGNS
- SUITABLE FOR TRANSFER PROCESS ONLY
- CONDITIONS MOLD CAVITIES AND PLUNGER

PRODUCT DESCRIPTION

Transfer grade conditioning pellets for phenolic based epoxy mold compounds

PRODUCT APPLICATION

Used for conditioning molds in transfer molding processes using thermoplastics and thermosets.

PRODUCT FEATURES

Excellent conditioning capabilities. Available in different sizes to match mold compound pellets. Transfer process ensures both mold surface and plunger are conditioned.

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PRODUCT DESCRIPTION

The **CHEMLINQ MCN-T20 series** are transfer grade conditioning pellets , used to condition the mold surface to enhance the release of mold compounds and increase production cycle time between cleaning. **CHEMLINQ MCN-T20 series** have a excellent conditioning performance. The cleaning pellets perform well in a wide range of molds.

CHEMLINQ MCN-T20 Conditioning Pellets

As a conditioning product, the **CHEMLINQ MCN-T20 series** are highly effective. CHEMLINQ transfer conditioning pellets have good flow characteristics which enable them to condition mold corners and thin gate areas easily. Their pellet shape and wide array of available sizes make it easy to use the pellets in any existing transfer process.

When using The **CHEMLINQ MCN-T20 series** in combination with the Chemlinq MCL-C10 or MCL-T10 series of melamine based cleaning tablets and pelelts they will achieve the optimal cleaning and conditiioning of both the mold surface and the small cavities and runners.

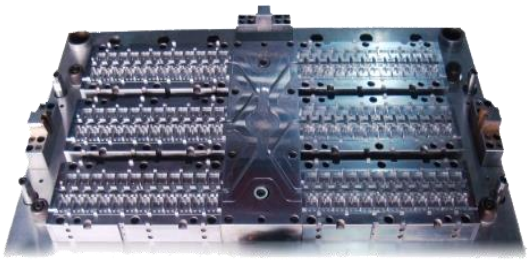
The **CHEMLINQ MCN-T20 series** Is available in two versions. MCN-T20 is the standard version with and MCN-T20F is a fine grind version of the same compound that makes it better suited for molds that have small runners and small cavities that need to be conditioned. Both MCN-T20 and MCN-T20F are available in small pellets with diameters up to 20mm and big pellets with diameters up to 55mm.

PRODUCT APPLICATION

CHEMLINQ MCN-T20 transfer conditioning pellets are condition the mold surface to enhance the release of mold compounds and increase production cycle time between cleaning. They are extremely well suited for production lines that work with epoxy mold compounds (EMC). **Transfer conditioning pellets** can be used to condition molds used in the semiconductor industry for products such as integrated circuits, diodes, transistors, and LEDs in both physical and chemical mechanisms.

► Applications

- Compatible with wide range of mold cavity designs
- Suitable for transfer molding processes
- Molds in semiconductor manufacturing
- Molds in EMC product lines



Used for cleaning EMC molds

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PRODUCT FEATURES

PRODUCT PROPERTIES	UNIT	MCN-T20	MCN-T20F
Color	-	Grey	Grey
Specific Gravity	g/cm^3	1.9	1.9
Filler Type		Silica	Silica
Filler Sieve Size	µm	75	53
Spiral Flow (175□C, 1000ps)	inch cm	46 117	39 99
Gel Time	sec	22	22
Hot Hardness (Shore D)	sec	>70	>70
Flash (50 µm)	mm	2.9	3.2
Flash (20 µm)	mm	2.1	4.4

► PRODUCT FEATURES & BENEFITS:

- Suitable for **transfer** molding process only
- Cleans mold in a **maximum of three** shots
- Works well in combination with **Chemlinq MCN Series**

► PRODUCT NOMENCLATURE

MCN: Mold conditioning compound
T: Transfer
20: Phenol based
F: Fine grind

MOLD CONDITIONS	UNIT	Automold Press	Conventional Press
Mold Temperature	□C	175-185	175-195
Pre-heat Time	sec	0-10	
Pre-heat Temperature	□C		80-90
Transfer Pressure	kg/mm^2	90-110	70-130
Transfer Time	sec	5-10	10-20
Curing Time	sec	120-180	180-240

STORAGE AND HANDLING

CHEMLINQ MCN-T20 transfer conditioning pellets are packed in a PE bag and supplied in carton boxes. They should be kept in a cool place (5°C or lower). The shelf life of the CHEMLINQ MCN-T20 products is 12 months when kept at 5°C or lower.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

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