PRODUCT INFORMATION

CEVO®-master D-2050

Product Description

CEVO®-master D-2050 is a reactive modifier to improve the flowability of polycarbonates. Also applicable in cast PA.

General Advantages

The modifier was developed to increase the flow behavior of highly viscous polycarbonates from post-industrial areas and is primarily used in the production of easy-flowing polycarbonate compounds on twin-screw extruders.

Examples of Use

The amount of modifier added depends on the one hand on the melt index of the polycarbonate used and on the other hand on the extruder used and its screw geometry (friction energy, residence time) and must always be adapted to the respective application.
Example:
Extruder: MPC 52 (Compek)
Base polymer: Polycarbonate (grinded stock)

Characteristics	Unit	PC	PC +1,5% D-2050	PC + 2,5% D-2050	PC + 4% D-2050	Lexan 121R[1)] Reference
MVR (300° C/1,2 kg)	cm^3/10 min	7	20	27	45	21
Tensile strength	MPa	68	66	66	67	65
Unnotched impact strength	kJ/m^2	no break	no break	no break	no break	no break
Notched impact strength	kJ/m^2	80	50	25	10	65
VICAT B50	° C	145	140	140	140	140

[1)] values acc. technical data sheet

Delivery Specifications *

Characteristics	Unit	Target value	Method
Melting point*	°C	200 - 240	ASTM 3954
Density	g/cm^3	1,12	ISO 1183

Packaging and Handling

Physical form	Compactate
Packaging	Paper bag or PE-bag
Storage	The storage period is at least 12 months if the storage is kept under normal ambient conditions in the tightly closed original packaging. The product must be protected from humidity. The packaging must be tightly closed again after the product has been removed.

Safety

CEVO®-master D-2050 is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings. See SDS.

Delivery Time and Availability

Standard delivery time: 2 – 3 weeks. Preconditions can be met for achieving shorter delivery times on standard products when demanded by the market.

Legislation

Product for technical applications.

- RoHS and CONEG compliant
- Ingredients listed in all relevant national inventories

For further information, please contact application@voelpker.com.

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