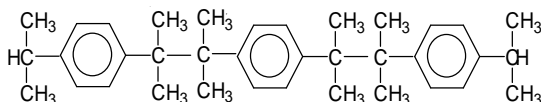


CUROX[®] CC-P3

Poly (1,4-diisopropyl benzene)
CAS#25822-43-9
Flakes, technically pure
Molar mass: ca. 360 g/mol

Structural Formula



Description

White, free flowing flakes; consisting of technically pure oligomeric poly- 1,4-diisopropyl benzene. This C-C compound can be used as an initiator (radical source) for flame-proofing of polystyrene and polypropylene.

Technical Data

Appearance	white flakes
Purity (GC)	ca. 99 %
Bulk density (kg/dm ³)	ca. 0.44
Melt density (g/cm ³ at 140°C)	ca. 0.84
Melting range (°C)	ca. 120-130
Halflifetime in polymers (PS, PP..)	ca. 50 minutes at 260°C
Solubility	insoluble in water, alcohols soluble in toluene, dichloromethane
Transport	no particular restrictions
Storage and handling	no special safety measures required
Storage stability at 30°C from date of delivery	12 months

Application

FLAME-PROOFING:

A radical source in combination with brominated aliphatic hydrocarbons (HBCD) or brominated polymeric alternative products ("FR-63") for fire retardant applications of polymers, particularly polystyrene and polypropylene.

For this purpose, the thermally stable CUROX®CC-P3 will not decompose during polymerisation or extrusion processing, thereby being available during fire incidents.

CUROX®CC-P3 shows a very efficient synergistic effect on brominated compounds, i.e. dosing levels of those can be reduced significantly.

Standard Packaging

20 kg; cardboards (containing plastic bags)

Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make any changes according to technological progress or further developments.

Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.

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