

Algoflon® L206F

Polytetrafluoroethylene

Solvay Specialty Polymers

Описание материалов:

Algoflon® L206F a white PTFE micronized powder produced from dispersion polymerization comprising loose agglomerates of sub-micon sized primary particles.

Algoflon® L206F can be de-agglomerated to sub-micron particle size by the application of shear providing a better dispersion and distribution of the PTFE particles in the application.

Designed for use in critical engineering and high end performance elastomers to improve abrasion and tear resistance, Algoflon® L206F is used as well in high performance coatings to improved non-stick properties, mar and abrasion resistance.

Main features are:

Improved lubricity

Increaded (hot) tear strength

Better flex life

Reduced friction and wear

Главная Информация			
Используется	Добавка		
Внешний вид	Белый		
Формы	Порошок		
Физический	Номинальное значение	Единица измерения	Метод испытания
Удельная площадь поверхности	> 7.5	m ² /g	Internal method
Средний размер частиц-Поверхность	5.0	µm	Internal method
Плотность объема	325	g/l	ASTM D4895
Масляная шлифовка-Нпири	1.50		NPIRI
Тепловой	Номинальное значение	Единица измерения	Метод испытания
Пиковая температура плавления	325 - 335	°C	ASTM D3418
Дополнительная информация	Номинальное значение	Метод испытания	

Processing

Besides its main function as a wear additive, Algoflon® L206F can be used at low concentration to improve mold release properties. Internal or open mixers (e.g. Banbury or two-roll mixers) are normally used to allow a good distribution of Algoflon® L206F in the elastomeric compound. Typically 5 to 15 % can be added to elastomeric compounds to achieve the desired properties. Additional fillers are normally included with Algoflon® L micronized PTFE during the blending process. The resulting elastomeric composition can then be processed under normal conditions.

Storage and Handling

The usual precautions for safe storage and handling of Algoflon® L206F should be taken according to material safety documentation and experience. There will be no chemical deterioration of the Algoflon® L206F during proper storage.

Shelf life of Algoflon® L206F micronized powders will vary depending upon whether the recommended storage conditions are maintained and whether the material remains free from foreign contamination during storage time (not exposed to dirt, dust, water or other chemicals). The material should remain sealed in the original containers and storage conditions should provide for protection from temperature extremes as well as rain, snow or other wet environments (or such conditions which may damage the storage containers in which the product is stored).

Safety and Toxicology

Before using PTFE Algoflon® L micronized powders consult the product Material Safety Data Sheet and follow all label directions and handling precautions.

As with all PTFE materials, handling and processing should only be carried out in well ventilated areas. Vapor extractor units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging

Algoflon® L206F is packaged in 20 kg non returnable drums. Each drum has one bag liner made of polyethylene resin.

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