



SL866M

POLYPROPYLENE, CLARIFIED RANDOM COPOLYMER

Profax SL866M is a clarified random copolymer with antistatic properties that is designed for injection molding; it exhibits very good clarity making possible to produce better product aesthetics. SL866M has a wider processing window that helps to reduce the melt temperature and cycle time which contributes to energy savings.

The base resin in this product meets the requirements of the US Food and Drug Administration (FDA) contained in the Code of Federal Regulations in 21 CFR 177.1520.

Features:

- Excellent clarity and gloss
- Good surface finish
- Antistatic properties
- Wider processing window
- Cycle time reduction and energy savings

Typical Applications:

- Housewares
- Transparent food containers
- Injection and blow molding products
- Thin-wall containers

Profax SL866M: CLARIFIED RANDOM COPOLYMER FOR INJECTION

Typical resin properties ^(a)	Typical value	ASTM Method ^(b)
-Melt flow rate (MFR), g/10 min	35	D1238
-Tensile strength at yield, psi (MPa)	4,205 (29)	D638
-Notched Izod impact strength at 73°F, ft-lb/in (J/m)	0.9 (46)	D256A
-Elongation at yield, %	12	D638
-Flexural Modulus, psi (MPa)	153,265 (1,057)	D790A
-Density, g/cm ³	0.9	D792A
-Heat Deflection Temperature at 66 psi (0.46 MPa), °F (°C)	183 (84)	D648

(a) Values shown are averages not to be construed as product specifications.

(b) ASTM methods are the latest under the Society's current procedures. All specimens are prepared by injection molding.

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Profax™

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Additional information

Health and security

The resin is produced under the highest standards of safety and quality. Special attention is required for applications such as food contact and direct medical use. For specific regulatory compliance information, please contact your local supplier or Indelpro service department. Personnel who work during the processing of the material must be protected from possible contact in the skin and eyes with molten material; the use of safety glasses and gloves is the minimum safety requirement for those who may come into contact with the material during its melting and processing.

The material if during processing is exposed to the environment or severe processing conditions could become degraded, generating by-products with an unpleasant smell and that in high concentrations could generate irritation in the skin, eyes and any part of the body exposed to contact. Work areas where the resin is processed must be adequately ventilated to remove fumes and vapors, all legislation in the control of emissions must be complied with.

The Resin will burn when it is in contact with excessive heat and oxygen. It must be handled and stored away from direct contact with flames or sources of ignition. In case of combustion, the resin contributes as fuel and can generate dense black smoke. Resins that are recycled or reused may have been used for the handling or packaging of hazardous materials or have been in contact with them. Those who are using recycled or reused material are responsible for taking the necessary precautions and ensuring that the recycled material is suitable for use.

For more information on safety, handling and processing please refer to the product safety data sheet.

Transportation and Handling

The transport and handling equipment must be designed and have the necessary measures to prevent the generation and accumulation of fines and dust particles derived and / or contained in the resin. Under certain circumstances such particles pose the risk of explosion. Transport systems must always be grounded, equipped with filters and be under inspection and preventive maintenance programs.

Packing and Storage

The resin is packaged and marketed in 25 kg bags, or in bulk in super bags, hopper cars that protect it from contamination. If stored under certain conditions as high relative humidity and / or exposed to large temperature variations, condensation inside the package is possible. Under such circumstances it is advisable to allow the resin to dry prior to use. Such unfavorable storage conditions may enhance the characteristic odor of the resin.

The storage and handling of the resin should consider the protection of the resin from direct exposure to the sun, temperatures above 40 ° C and humidity in the environment. Exposure to any of these conditions will decrease the storage time of the resin.

The user should review the information on the product safety data sheet prior to use and handling.

INDELPRO can prohibit or restrict the use of your products for certain applications. For more information, please contact your INDELPRO's representative.

The information presented here is a product of the observation of previous experiences. In view of the various factors that could affect the processing and different applications, this information does not exempt the responsibility of the one who processes the material to perform its own analyzes and tests, nor does it imply any legal assurance of certain properties or characteristics for a use specific. This information does not remove the user's obligation to inspect the material upon arrival and notify INDELPRO of any anomaly immediately. It is the responsibility of whoever is provided with the product to ensure and enforce any legislation regarding property rights.

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