

TECHNICAL DATA SHEET

KEPSTAN® 8003

Polymer with exceptional mechanical, thermal strength, and chemical resistance. Offers outstanding crystallinity control and reduced melting temperature.

KEPSTAN® is a high performance thermoplastic material, based on PolyEtherKetoneKetone (PEKK) highly stable chemical backbone. Its semi crystalline structure in solid state offers an outstanding combination of mechanical and thermal strength together with chemical and fire resistance.

The 8000 Series offers the highest glass transition temperature and the highest degree of crystallinity, leading to the best tensile and compression strengths among both KEPSTAN® copolymers family and PAEK resins.

KEPSTAN® 8000 Series includes a very low flow grade, KEPSTAN® 8001, a medium flow grade, KEPSTAN® 8002, and a high flow grade, KEPSTAN® 8003, all unfilled pure PEKK resins designed to meet the requirements of a broad range of melt processing technologies, including among others extrusion of stock shapes, tubes, films, extrusion compression, compression molding, compounding, injection molding of thick or complex and thin-walled parts.

KEPSTAN® is available in pellet form and as well as in flake. Standard packaging includes 20 kg boxes for pellets and 40 kg drums for flakes.

PRODUCT PERFORMANCE SUGGESTED APPLICATIONS

SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided.

Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

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