

TECHNICAL DATA SHEET

KEPSTAN® 7001

KEPSTAN® 7001 is a low flow grade, featuring 7000 Series typical features like moderate processing temp. and delayed crystallization.

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.

Among the KEPSTAN® family, the 7000 Series benefits uniquely from PEKK crystalline capabilities while reducing significantly processing temperatures compared to the more crystalline 8000 Series. With a lower melting temperature and a Tg still above 160°C, the KEPSTAN® 7000 Series resins are very valued in all processes where a delayed or slower crystallization is key to ease thermoforming, to improve interlayer adhesion and to reduce internal stresses.

KEPSTAN® 7001 is a very low flow grade designed for extrusion processes requiring high viscosity resins. It is particularly suitable to make sheets by extrusion calendaring; sheets can be produced in amorphous state up to a few mm thickness. Appropriate thermoforming conditions allow deep draw forming and in-mold crystallization. KEPSTAN® 7001 is also suitable for other extrusion processes to make rods, pipes and various profiles.

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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