

TECHNICAL DATA SHEET

KEPSTAN® 6010G30

POLYETHERKETONEKETONE PELLET

KEPSTAN® 6010G30 resin is a glass fiber reinforced compound, based on the 6000 series of KEPSTAN® resins. This series represents the pseudo-amorphous products of the KEPSTAN® family, offering the lowest melting point and the slowest crystallization behavior, while keeping Tg close to 160°C. These properties allow for lower processing temperatures and lead to glassy or semi-crystalline structures, depending on processing technologies and cooling conditions.

KEPSTAN® 6010G30 resin is a low flow grade, suitable for extrusion, compression and injection molding. KEPSTAN® 6010G30 resin is available in pellet form and standard packaging is 20 kg boxes.

TYPE

PEKK-GF30

MAIN APPLICATIONS

- Industry - Composites

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Film Extrusion
- Injection Molding
- Profile Extrusion
- Sheet Extrusion

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melt volume flow rate (MVR), 380°C / 5 kg (716°F / 11 lb)	12	cm³/10min	ISO 1133

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Oxygen index	38	%	ISO 4589-1/-2

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Apparent density	1.51	g/cm³	ISO 1183-1

PACKAGING

Available packaging:

- 20 kg / 44 lb boxes

SHELF LIFE

Indefinite when stored properly (sealed bags, appropriate UV protection and temperature)

PROCESSING CONDITIONS:

- Typical melt temperature (Min / Recommended / Max) - Injection Molding: Rear 300°C / Center 315°C / Front 320°C / Nozzle 330°C (570°F / 600°F / 610°F / 625°F)
- Typical mold temperature - Injection molding: 80-120°C (175-250°F), below Tg in any case
- Drying time and temperature: 120°C (250°F) / 6-8 hours

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SPECIAL CHARACTERISTICS

- Halogen Free Flame Retardant (HFFR)

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