

KEPSTAN® 6010G30

KEPSTAN® PEKK resin is a high performance thermoplastic material, based on PolyEtherKetoneKetone (PEKK) highly stable chemical backbone. KEPSTAN® is a unique member of the PAEK family that incorporates distinctive structural features that allow for exceptional possibilities in the control of crystallinity. These features include a low Ether/Ketone ratio and a copolymer structure incorporating Terephthalic and Isophthalic moieties.

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 10 kg boxes.

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	12	cm ³ /10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
THERMAL PROPERTIES			
Oxygen Index	38	%	ISO 4589-1/-2
OTHER PROPERTIES			
Density	1510	kg/m ³	ISO 1183

Drying temperature and time: 120°C for 6 to 8 hours

Processing temperature: 320 – 360°C

Temperature settings - Injection: Rear 300°C / Center 315°C / Front 320°C / Nozzle 330°C

Mold temperature (below Tg in any case): 80 - 120°C

Temperature settings - Extrusion: Zones 1/2/3/4: 290°C/ 320°C/ 330°C/ 320°C Die: 320°C

PROCESSING

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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