Kepstan® 8010G40

PAEK-GF40 ARKEMA

Product Texts

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® 8010G40 resin is aglass fiber reinforced compound, based on the 6000 series of KEPSTAN® resins. This series offers the highest glass transition temperature and the highest crystallinity, leading to the best tensile and compression strengths among the different series of KEPSTAN® PEKK copolymers.

KEPSTAN® 8010G40 resin is a low flow grade, suitable for extrusion, compression and injection molding.

KEPSTAN® 8010G40 resin isavailable in pellet form and standard packaging is 10 kg boxes.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**5**	cm³/10min	ISO 1133
Temperature	**380**	°C	-
Load	**5**	kg	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1620**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets

Regional Availability

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

Other text information

Injection molding

Drying temperature and time: 150°C for 3 to 4 hours or 120°C for 6 to 8 hours

Processing temperature: 375 – 385°C

Temperature settings - Injection: Rear 350°C / Center 375°C / Front 375°C / Nozzle 385°C

Mold temperature (to facilitate filling of the cavity and polymer crystallization): 230 - 240°C

Temperature settings - Extrusion: Zones 1/2/3/4: 355°C/ 370°C/ 385°C/ 385°C Die: 370°C