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KEPSTAN®
8010G40

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 a glass 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 is available in pellet form and standard packaging is 10 kg boxes.

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	5	cm³/10min	ISO 1133
Temperature	380	°C	-
	716	°F	
Load	5	kg	-
	11	lb	
OTHER PROPERTIES			
Density	1620	kg/m³	ISO 1183
	1.62	g/cm³	

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

PROCESSING

Injection Molding, Profile Extrusion

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

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

ARKEMA