+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

KEPSTAN®
8010C40

KEPSTAN® PEKK resin 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.

K**EPSTAN® 8010C30** is a carbon fiber reinforced compound, based on the 8000 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® 8010C30 is a low flow grade, suitable for extrusion, compression and injection molding.

KEPSTAN® 8010C30 is available in pellet form, and standard packaging is 10 kg boxes.

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	18	cm³/10min	ISO 1133
Temperature	380	°C	-
	716	°F	
Load	5	kg	-
	11	lb	
MECHANICAL PROPERTIES			
Charpy Impact Strength, +23°C	34	kJ/m²	ISO 179/1eU
	16.2	ftlb/in²	
Charpy Notched Impact Strength, +23°C	6	kJ/m²	ISO 179/1eA
	2.85	ftlb/in²	
OTHER PROPERTIES			
Density	1450	kg/m³	ISO 1183
	1.45	g/cm³	

Drying temperature and time: 120°C for 6 to 8 hours
Processing temperature: 370 – 380°C
Temperature settings - Injection: Rear 350°C / Center 375°C / Front 370°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

ARKEMA

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PROCESSING

Injection Molding, Profile Extrusion

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

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

ARKEMA