

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.

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	5	cm ³ /10min	ISO 1133
Temperature	380	°C	-
Load	5	kg	-
OTHER PROPERTIES			
Density	1620	kg/m ³	ISO 1183

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

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

Kepstan® is a registered trademark of Arkema
© 2022 Arkema Inc. All rights reserved.

kepstan.com

Arkema Inc. – Technical Polymers
900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

KEPSTAN®
BY **ARKEMA**

Headquarters: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 S00711-2018