

KEPITAL[®] FG2025D

POM, 25% glass fiber-reinforced grade, easy-flow

KEPITAL® FG2025D is a 25% glass fiber-reinforced grade (an easy-flow grade) for general injection molding. Suitable for parts requiring extermely high strength, high stiffness, high deflection temperature, and excellent creep resistance.

Product information

Part Marking Code	> POM-GF25 <		ISO 11469
Typical mechanical properties			
Stress at break, 5mm/min Strain at break, 5mm/min Flexural Modulus Flexural Strength Charpy notched impact strength, 23°C	2 8300 220	MPa % MPa MPa kJ/m ²	ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min Temp. of deflection under load, 1.8 MPa	165 162	-	ISO 11357-1/-3 ISO 75-1/-2
Electrical properties			
Volume resistivity Surface resistivity Electric strength	1E16	Ohm.m Ohm kV/mm	IEC 62631-3-1 IEC 62631-3-2 IEC 60243-1
Other properties			
Humidity absorption, 2mm Density	0.2 1590	% kg/m³	Sim. to ISO 62 ISO 1183

Printed: 2023-08-07

Page: 1 of 1

Revised: 2023-05-10 Source: Celanese Materials Database

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design for any use contemplated by a mole call grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to he lowest that texist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, a

© 2023 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC. KEPITAL is a registered trademark of Korea Engineering Plastics Company, Ltd.