

FORTRON[®] 1132L4

Polyphenylene sulfide

Product information Resin Identification Part Marking Code	PPS-GF30 >PPS-GF30<		ISO 1043 ISO 11469
Typical mechanical properties			
Tensile stress at break, 50mm/min		MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	—	%	ISO 527-1/-2
Flexural modulus	12000	MPa MPa	ISO 178 ISO 178
Flexural strength Izod notched impact strength, 23°C		kJ/m ²	ISO 178 ISO 180/1A
1200 Hotelieu impact stieligti, 25°0	5.5	KU/III	130 100/TA
Thermal properties			
Melting temperature, 10°C/min	280	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	260	°C	ISO 75-1/-2
Physical/Other properties			
Water absorption, 2mm	0.02	%	Sim. to ISO 62
Density	1580	kg/m³	ISO 1183
Injection			
Drying Recommended	ves		
Drying Temperature	100	°C	
Drying Time, Dehumidified Dryer	2 - 4		
Processing Moisture Content	≤0.02	%	
Melt Temperature Optimum	330	°C	
Min. melt temperature	310	°C	
Max. melt temperature	340	-	
Screw tangential speed	0.2 - 0.3		
Mold Temperature Optimum	150		
Min. mould temperature	140 160		
Max. mould temperature Hold pressure range	- 70 30 - 70		
riviu pressure range	30 - 70	ivii a	

Printed: 2024-09-05

Page: 1 of 1

Revised: 2024-06-13 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, processing conditions and environmental exposure. Other than those products expressly identified as medical 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 manuf

© 2024 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.