

CELCON® LW90-SC

CELCON®

Celcon® LW90-SC is a highly loaded silicone concentrate based in acetal copolymer. It can be used in conjunction with other Celanese acetal products to reduce friction and improve wear performance. It is not meant to be used as a stand alone product. Please also see Hostaform® S 9021 S OEK for another Celanese silicone concentrate.

Product information

Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Injection			
Drying Recommended	no		
Drying Temperature	100	°C	
Drying Time, Dehumidified Dryer	3 - 4	h	
Processing Moisture Content	≤0.2	%	
Melt Temperature Optimum	190	°C	
Min. melt temperature	180	°C	
Max. melt temperature	200	°C	
Screw tangential speed	≤0.3	m/s	
Mold Temperature Optimum	100	°C	
Min. mould temperature	80	°C	
Max. mould temperature	120	°C	
Hold pressure range	60 - 120	MPa	

Printed: 2024-09-06 Page: 1 of 1

Revised: 2024-07-08 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 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 should not be construed 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, we neither suggest nor guarantee that such hazards are the only ones that exist. 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 manufac

© 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.