

Product: Granulen® TO**Introductory description**

Granulen® TO is a granulation product, which does not contain PVC and has been designed for use as the sealing of Twist Off crown corks. Granulen® TO is certified according to the applicable legislation currently in force in the area of contact with food. Normally, it may be used for caps of bottles containing most drinks such as beer, alcoholic beverages with alcohol content up to 20%, most mineral waters, non-alcoholic beverages and sparkling drinks and cold-bottled. It is not suitable for pasteurization and caps to be used with bottles containing fat.

The manufacturer of crown corks and the bottling plant are fully responsible for the testing and determination of fitness for use of Granulen® TO for specific final applications. Each customer or end user must conduct their own tests in order to check its fitness for specific applications and treatment methods. D PLAST a.s. is not responsible for any damage or loss resulting, either fully or partially from or in connection with specific use of Granulen® TO, especially where the customer fails to conduct thorough testing and determination of usability.

Technical information

Technical data	Values	Specifications
Composition	Polymer blend	
Colour	White (W), Transparent (T)	
Density	0.92 ± 0.03 g/cm ³	CSN EN ISO 1183
Hardness	87 ± 3 Shore A	CSN EN ISO 868
Melt flow index (130 °C/21.6 kg)	60 ± 20 g/10 min	CSN EN ISO 1133-1

Regular processing

Usual settings	SACMI PMC 250
Extruder temperatures	110 - 160 °C
Punch temperature	2 - 10 °C
Liner Weight	160 - 180 mg

Transport, storage and warranty

Granulen® TO must only be transported and stored in the original closed packaging at a clean place, free from any odours or any other contamination, away from direct sunshine, with the maximum ambient temperature of 40 °C and maximum relative humidity of 65%.

D PLAST a.s. is responsible just for agreed manner and quality of the packaging. If no manner and / or quality of packaging is agreed, just for common type and quality described below.

The customer must check whether the packaging conforms to the method of transport. D PLAST a.s. is not responsible for any damage or loss resulting either entirely or partially from or in connection with transport.

The life cycle of Granulen® TO is at least 12 months provided all of the conditions specified are met from its production to its treatment.

Packaging

Cardboard octabin with granulate weight of 1,000 kg - non-stackable, 600 kg - stackable in 2 layers.

Legal notice

All the above information is based on technical knowledge obtained by the manufacturer and is provided without any guarantees, to the best of the manufacturer's knowledge, as background data for the customer, not as the supplier's guarantee. The supplier is not familiar with the application of the product or the method of its processing and therefore, may not guarantee fitness of the product for a specific application or treatment. The customer is obligated to review all product properties themselves, especially with regard to the processing method pursued at their own equipment and the final application of the product.

The present technical data sheet applies to all orders for the product referred to as Granulen® TO placed from its issue up to its recall, where relevant, or change. The supplier reserves the right to modify the technical data sheet related to the present product.

All deliveries of goods according to this Technical Data Sheet are regulated by General Business Terms and Conditions of company D PLAST a.s. in wording valid and effective to the date of order and Customer undertakes by his order to respects these General Business Terms and Conditions of company D PLAST a.s. which are to be downloaded on the webside www.dplast.cz.