

Elastollan® TPU

Technical Data Sheet

Preliminary
July 2023

Elastollan® WY 085 VL

Lubricant Concentrate

Typical Properties of Elastollan®	Units	Typical Values
Color		Natural
Application / Processing		Lubricant Concentrate
Addition Level	%	2-4

DRYING: Elastollan® materials are hygroscopic, i.e. dry Elastollan® will rapidly absorb moisture when exposed to atmosphere. Polyether-based Elastollan® grades absorb moisture more rapidly than polyester-based Elastollan® grades. As with all TPU products, Elastollan® WY 085 VL must be dried before processing. The drying step is required to maintain a low moisture content until the product enters the processing equipment. The water content must be less than 0.03% before and during processing.

STORAGE: Elastollan® WY 085 VL can be stored for up to one year in its original container. Containers should be stored in a cool and dry area. Containers should be tightly closed after use. Granulates should be exposed to the surrounding air only for as long as absolutely essential; it is therefore important to cover the feed hopper of the processing machine. Drying is recommended if the container has been opened several times. In order to prevent condensation, materials stored in cool conditions should be brought to room temperature before opening the container.

Elastollan® Hardness	Drying Time	Drying Temperature	
		Circulating Air	Dehumidified Air
≤90A	2 to 3 h	100 to 110°C	80 to 90°C
>90A	2 to 3 h	110 to 120°C	90 to 120°C