

# DewPure



## HIGH-PERFORMANCE MOLECULAR SIEVES

Self-protection from VOCs substance

DewPure is a new product developed by PiovanGroup to support the customer in the drying process.

The drying air process is fundamental when the raw material is hygroscopic or there are some conditions such as raw material stocking or adverse environmental factors like high relative humidity, that can negatively affect the final product.

Another important aspect is the presence in the airflow of VOCs (Volatile Organic Compounds). This kind of substance can damage or clog the pipes and they have negative effects on molecular sieves. DewPure has been realized to limit these troubles, in fact, its mix of high-performance aluminosilicate and alumina allows it to protect itself from VOCs and guarantees at the same time a high desiccant capacity.



Improved the desiccant capacity



Low maintenance thanks to its high mechanical resistance



Increased Self-protection against VOCs



PET Preforms & Bottles



Rigid Packaging



Automotive components



Technical parts



Medical solutions



Thermoforming & Technical Sheets



Flexible Film



Pipes, Profiles, Cables



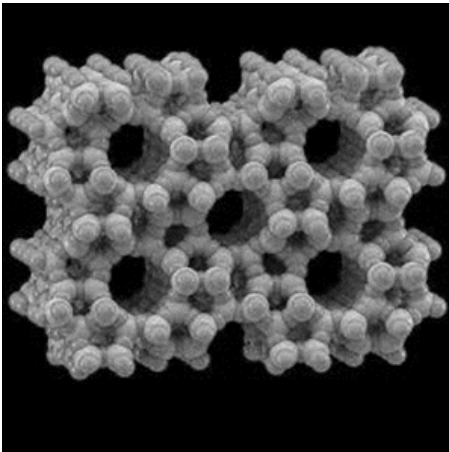
Fibres & Strapping



Recycling



Compounds



**Characteristics**

In DewPure the right selection and rate of different Zeolites allow to increase the adsorption capacity and decrease the time between regeneration and another. This preserves the lifespan of Molecular sieves reducing the aging effect.

The aging effect is visible and quantifiable in the base of the number of Molecular sieves beads that have become powder inside the tower of the dryer.

It is important to underline that this dust in the long run can compromise the functionality of the dryer reducing its desiccant capacity and polluting the final product.

For this reason, it is important to use a durable molecular sieve like DewPure and follows the maintenance advice of Piovan’s Service office.

Properties		Value
Composition	-	Combination of synthetic aluminosilicates and alumina
Pore size	Å	9- 10
Beads Size Range	mm	2.35 – 3.5