

OPTIMAL SMOKE PERMEABILITY AND MECHANICAL PERFORMANCE FOR SMOKED FOOD CASINGS



ENOXITE® SMOKE AVAILABLE GRADES

S30

ENOXITE® SMOKE IS A PRODUCT RANGE SPECIALLY DESIGNED FOR THE USE IN FOODSTUFF CASINGS

Enoxite® Smoke is a technical polymer product range specially developed for use in **smoked food casings**. Its **combination with polyamide (PA)** makes it ideal for **casings production**, offering **gas permeability, excellent dimensional stability** during packaging, **high mechanical strength and elasticity, good shrinkage, exceptional adhesion to food, and excellent printability**.



FOR SMOKED FOOD CASING, OUR MATERIALS COMBINE SMOKE PERMEABILITY WITH PERFECT FIT AND SHRINKAGE



FOR PREMIUM SMOKED FOODS WITH EXTENDED SHELF LIFE



Casings used in **smoked meats, cheeses, and other products** must allow **controlled permeability of smoke and water vapor**.

This specific porosity contributes to **flavor and color development** while helping **preserve freshness and original product quality**.

To achieve the necessary **smoke penetration** in the production of **smoked meat**, a mixture of PA with **20–30% of Enoxite Smoke S30** is recommended.

WVTR and OTR values for S30 combined with **PA6 on 20 and 30% concentration compared to 100% PA6 permeability** are here shown.

It is also possible to **combine these products with copolyamides***.

* See **Promyde®** packaging portfolio.

GAS PERMEABILITY VALUES

FILM COMPOSITION (Thickness = 25 microns)	WVTR (90%RH/30°C), (g/m ² ·day)	% vs. PA6	OTR (90%RH/23°C), (cm ³ /m ² ·day)	% vs. PA6
100% Promyde BF40 L (PA6)	537	-	137	-
20% Enoxite Smoke S30 + 80% Promyde BF40 L (PA6)	1207	+125	186	+36
30% Enoxite Smoke S30 + 70% Promyde BF40 L (PA6)	1266	+136	259	+89

Samples produced at NUREL by blown extrusion (not three bubble).
Please note that production process could affect to permeability values obtained.



 **Enoxite**
SMOKE

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