

#### TECHNICAL POLYMER FOR SMOKED FOOD CASINGS 🔊

## OPTIMAL SMOKE PERMEABILITY AND MECHANICAL PERFORMANCE FOR SMOKED FOOD CASINGS

# Denoxite SMOKE

ENOXITE® SMOKE AVAILABLE GRADES S20 S30

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

Enoxite<sup>®</sup> Smoke is a technical polymer product range specially developed for use in smoked food casings. Its combination with polyamide (PA) makes it ideal for casing 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**







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 S20 or S30** is recommended.

WVTR and OTR values for S20 mixed 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**\*.

#### GAS PERMEABILITY VALUES

FILM COMPOSITION (Thickness = 25 microns)	<b>WVTR</b> (100%RH/30°C), (g/m²·day)	% vs. <b>PA6</b>	OTR (90%RH/23°C), (cm³/m²·day)	% vs. <b>PA6</b>
100% Promyde BF40 L (PA6)	537	-	137	-
20% Enoxite Smoke S20 + 80% Promyde BF40 L (PA6)	920	171	180	131
30% Enoxite Smoke S20 + 70% Promyde BF40 L (PA6)	1112	207	239	174
20% Enoxite Smoke S30 + 80% Promyde BF40 L (PA6)	1207	225	186	136
30% Enoxite Smoke S30 + 70% Promyde BF40 L (PA6)	1266	236	259	189

Samples produced at NUREL by blown extrusion (not three bubble).

Please note that production process could affect to permeability values obtained.

\* See Promyde® packaging portfolio.





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