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## TECHNICAL DATA SHEET POLITENE

**CONTROL: HT-227-10**

**ISSUE: 01/10.10**

**CODE: POE 83**

**DESCRIPTION: OLEFINIC PLASTOMER.**

Uses and suggestions: **POLITENE POE 83** has the characteristic to be combined with polyolefins like polyethylene and polypropylene to improve its mechanical properties like the impact modulus and high elongation.

Designed for applications that require easy processability. It fulfills the FDA requirements 21 CFR 177.1520 to be in contact with foods.

PROPERTY	INTERNAL METHOD / REFERENCE	TYPICAL VALUE	UNIT
<b><u>PHYSICS</u></b>			
MELT INDEX @230°C / 2.16Kg	ASTM D1238	3.0	g/10min
DENSITY	ASTM D792A	0.862	g/cm <sup>3</sup>
<b><u>MECHANICAL</u></b>			
FLEXURAL MODULUS	ASTM D790-B	11.4 (1,650)	MPa (psi)
TENSIÓN AT BREAK	ASTM D638	13.9 (2,020)	MPa (psi)
ELONGATION AT BREAK	ASTM D638	860.0	%
HARDNESS SHORE D	ASTM D2240	67.0	-----
<b><u>TERMAL PROPERTYS</u></b>			
VICAT	ASTM D1525	59.0 (138.0)	°C (°F)

Test and presented outputs have been gotten using methods of laboratory; the which they don't offer guarantee any according to the ends that it destines the user, who determines their application and conditions of extrusion molding (temperature, pressure).

**Polímeros Nacionales, S.A. de C.V.** don't give additional expressed or implicit guarantees, for example, guarantees of commercialization or of specific applications in the use of this material and no case the company will be sponsor of any damage. The use of the product indicates the acceptance previously mentioned.

FPID-008-05

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