

HS35NW

Spunbond Non-Woven

CHARACTERISTICS :

- Excellent Flow and Suitable for Fine Denier Spunbond Non-Wovens
- Narrow Molecular Weight Distribution
- Excellent Drawability and Spinnability
- Compliance with FDA Regulation 21CFR177.1520

APPLICATIONS :

Spunbond Non-Woven Applications Include Apparel Covers, Shopping Bags, Napkins and Disposal Clothes

Physical Properties	Test Method*	Unit	Value
Melt Flow Rate (230 C / 2.16 kg)	ASTM D 1238	g/10 min	35
Density	ASTM D 792	g/cm ³	0.903
Tensile Strength @Yield @ 50 mm / min	ASTM D 638	MPa	33
Elongation @Yield	ASTM D 638	%	13
Flexural Modulus (1% secant) @ 1.3 mm / min	ASTM D 790A	MPa	1260
Notched Izod Impact Strength @ 23 °C	ASTM D 256	J/m	30
Hardness, Rockwell	ASTM D 785	R Scale	100
Deflection Temperature @ 0.455 MPa (4.64 kg/cm ²)	ASTM D 648	°C	104
Vicat Softening Temperature	ASTM D 1525B	°C	152
Melting Temperature DSC, 10 ^o C/min, 2 nd heat	ASTM D 3418	°C	163

*) Polypropylene tested per ASTM D 4101

Conversion : 1 MPa = 10.2 kgf/cm²
1 kJ/m² = 0.01 kgf.cm/mm²

Recommended Processing Conditions :

Melt Temperature 200 - 240 deg. C

Cooling Temperature 20 - 25 deg. C

This material complies with recommendations and statutory regulations in the USA, Japan and most European countries regarding packaging materials intended to come in contact with foodstuff.

The nominal properties reported herein are typical on the product of CAP but do not reflect normal testing variance and therefore should not to be construed as specifications.

CAP reserves the right to make any improvement or amendments to the composition of any grade or product without alteration to the product code.

This document reports accurate and reliable information to the best of our knowledge on the products manufactured by CAP. Since CAP can not anticipate or control the conditions under which this information and its product may be used, each user should review the information in the specific context of the intended application. CAP will not be responsible for damages of any nature resulting from the use of or reliance upon the information.

This technical datasheet is effective as from January 2013 and supersedes all previously published data.

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