



# NGHI SON REFINERY AND PETROCHEMICAL LLC

## CÔNG TY TNHH LỘC HÓA DẦU NGHÌ SƠN

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### TECHNICAL DATASHEET

#### NSY114G - RAFFIA GRADE

#### Product Description

- NSY114G is polypropylene homopolymer resin, produced by NGHI SON REFINERY & PETROCHEMICAL LLC (NSRP LLC) based on HYPOL II technology, suitable for flat yarn or raffia products and monofilament application as well. NSY114G offers good features for raffia products and applications as consistency process ability, high productivity with balance good mechanical properties.

- This material is free of animal-derived content.

#### Typical Applications

- Woven bags
- Ropes & twines
- Geotextiles
- Sheet
- Strap
- Straw

#### Product Characteristics

- Good process ability
- High productivity
- Good mechanical properties

#### Typical Properties

No.	Test Item	Test Method	Unit	Typical Values
1	Melt Flow Rate @2.16 kg and 230 degC.	ASTM D1238	g/10 min.	3.50
2	Density	ASTM D1505	g/ml	0.91
3	Isotactic Index	PP-F-107	%	98.0
4	Xylene Solubility	ASTM D5492	%	2.5
5	Vicat Softening Point	ASTM D1525	degC	150
6	Tensile Strength at Yield (50 mm/min)	ISO 527-2	MPa	33.0
7	Flexural Modulus (2 mm/min)	ISO 178	MPa	1500
8	Rockwell Hardness	ASTM D785	R scale	105
9	Notched Charpy Impact Strength	ISO 179	KJ/m <sup>2</sup>	5.00

*Note: Specimens were injection molded with reference on ISO 294-1  
Data for representative purposes only and not to be construed as product specification.*

#### Packaging

- 25 kg bag (Pallet 1500 kg)
- 750 kg jumbo bag

#### Disclaimer

The information and recommendations in this publication are, to the best our knowledge, reliable. Suggestions concerning users or applications are only the opinion of **NGHI SON REFINERY & PETROCHEMICAL LLC**, Vietnam, and users should perform their own tests to determine the suitability of these products for their own particular purposes. Since the user's specific applications and conditions of use are beyond **NSRP's** control, **NSRP** makes no warranty or representation regarding results that may be obtained by the user. It shall be the responsibility of the user to determine the suitability of the product for the user's specific application. The information disclosed in this document is not to be construed as a recommendation to use the product in infringement of any patent rights covering the usage.

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