



NGHI SON REFINERY AND PETROCHEMICAL LLC

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Rev.01 - 4/2020

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 ²	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

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