

# PRODUCT DATA SHEET

PH404

POLYPROPYLENE HOMOPOLYMER

## Product Description

PH404 is a homopolymer intended for extrusion with ease processing and low heat shrinkage suitable to be used for yarn applications.

## Characteristics

- Medium flow
- Contains antioxidants additives

## Applications

- Monofilaments
- Ropes & raffia/tapes/strapping

## Properties

Typical Properties	Test Method	Units	Typical Value
<b>Physical</b>			
Melt Flow Rate @ 230 °C/2.16 kg	ISO 1133	g/10min	3.4
Density	ISO 1183	g/cm <sup>3</sup>	0.90
<b>Mechanical</b>			
Flexural Modulus	ISO 178	MPa	1400
Tensile Stress at Yield	ISO 527-2	MPa	34
Tensile Stress at Break	ISO 527-2	MPa	21
Tensile Strain at Break	ISO 527-2	%	200
Tensile Strain at Yield	ISO 527-2	%	11
<b>Impact</b>			
Izod Notched at 23 °C min	ISO 180/A	kJ/m <sup>2</sup>	4
<b>Thermal</b>			
Vicat Softening Temperature (A/50N)	ISO 306	°C	153
Heat Deflection Temperature B (0.45MPa, Unannealed)	ISO 75B-2	°C	91

*Note: The above are typical data representing the product; not to be construed as analysis certificate or specifications. User should confirm results by their own tests.*

## Typical Processing Conditions

PH404 can be processed on extrusion conversion equipment designed for PP. Optimization may be required depending on the exact end use requirement. Recommended extrusion temperature in the range of 220 -260°C can be used.

## Regulatory Information

Details of information will be provided in a relevant declaration letter upon request.

## Processing and Handling

PH404 should be stored in a dry, under shaded and ventilated environment at a temperature below 50°C. Prolonged or improper storage can result in deterioration of product properties.

## Health and Safety

This product is not classified as a dangerous preparation. Before using this product, customer is advised to consult PRefChem's Safety Data Sheet (SDS) to understand the precautions in various aspect of safety, recovery and disposal of the product.

## For More Information

Please contact:

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