



TECHNICAL DATA SHEET

**HP**  
**DURAPOL™**

# HR033

**POLYPROPYLENE HOMOPOLYMER**  
WOVEN SACKS & MONO FILAMENTS

## Product Description:

HP Durapol HR033 is Polypropylene Homopolymer suitable for tape extrusion process applications. HR033 exhibits excellent mechanical properties.

## Product Characteristics:

- ▶ Good processability
- ▶ Low water carry over
- ▶ Good balance of tenacity & elongation for the production of tapes

## Recommended Applications:

PP Homopolymer HR033 is recommended for Woven sacks for General Packaging, Cement, Food grains packaging, FIBC, Strapping, Ropes, yarns etc.

## Typical Properties:

Tested Properties	Test Method	UOM	Values*
Melt Flow Rate (230°C /2.16 kg)	ISO 1133	gm/10 min	3.5
Tensile Stress at Yield, (23°C, 50 mm/min)	ISO 527	MPa	33
Tensile Strain at Yield, (23°C, 50 mm/min)	ISO 527	%	10
Flexural Modulus	ISO 178	MPa	1480
Vicat Softening Temperature, (A50)	ISO 306	°C	154
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	ISO 75B	°C	90

(\* ) Data is typical value and is not intended for specification purpose. Values may change without any intimation.

## Handling and Storage:

Prevent PP Material from direct exposure to sunlight & heat to avoid quality deterioration. The storage location should be dry, dust free and the Storage temperature should not exceed 50°C. Non - compliance to these precautionary measures can lead to degradation of the product causing Colour changes, Odor & inadequate product performance. It is advised to process PP material within 6 months after delivery.

## Regulatory Information:

For regulatory compliance information, please contact us at [Petrochemical.Marketing@hpcl.in](mailto:Petrochemical.Marketing@hpcl.in)

## Packaging Information:

This material is packed and available in raffia bags with net content of 25 kgs only. The raffia bag used conforms to the minimum strength requirements of BIS, however customer shall take due care while handling the bag. Prolonged exposure of these bags to sunlight may deteriorate the bag's performance and cause spillage and wastage. HPCL does not warranty loss of material due to poor material handling practices.

## Disclaimer:

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## Marketed by -

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