



# H045SG

## HOMOPOLYMER

### WOVEN SACKS & MONO FILAMENT

Repol H045SG is recommended for flat tape yarns for applications like Geotextiles, Packaging sacks & General purpose wrapping fabrics. The grade is specially designed for high speed processing on tape lines with consistent process ability. Repol H045SG is an ideal material for low denier flat tape yarns.

TYPICAL CHARACTERISTICS			
PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate, (230°C / 2.16kg)	ASTM D1238	g/10min	4.5
Tensile Strength at Yield (50mm/min)	ASTM D638	MPa	32
Elongation at Yield (50mm/min)	ASTM D638	%	8
Flexural Modulus (1% secant )	ASTM D790A	MPa	1350
Notched Izod Impact strength (23°C)	ASTM D256	J/m	30
Heat Deflection Temperature (455 kPa)	ASTM D648	°C	104

\* Typical values, not to be taken as specification.

\* Tensile properties as per ASTM D638 Type-I specimen injection molded and tested in accordance with ASTM D 4101

**Applications :** Flat tape yarns for Geotextiles, Packaging sacks and Low weight wrapping fabrics;

**Regulatory Information:** Meets the requirements stipulated in IS 10910 on “Specification for Polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals, and drinking water”. Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers.

**Storage Recommendations:** Bags should be stored in dry conditions at temperatures below 50°C and protected from UV / direct sunlight

#### Product Application & Research Centre (PARC)

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