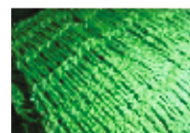


| Sector | Grade | Technology | Density* (Kg/m ³) | MFI* (I ₂) (g/10 min.) | Special Characteristics | Typical Applications |
|-----------------------------|--------|------------|----------------------------------|---------------------------------------|--|---|
| | | | ASTM D1505 | ASTM D1238 | | |
| Blow Moulding | B6003 | S | 962 | 0.35 | Excellent Rigidity and Good Processability | Containers/bottles up to 20L for Oil, Vanaspati & General-purpose Packaging, jerry can etc. |
| | B5004 | S | 950 | 0.40 | Excellent ESCR and good external appearance | High ESCR Containers/Bottles up to 5 L for Packing of Pesticides, Surfactants, Personal care products & Cosmetics, shampoo and cable compounds etc. |
| | B55H02 | S | 955 | 0.20** | Good Impact strength, Rigidity, High ESCR & Low Parison Sag | Large Containers (More than 100L) for transport & Storage of Chemicals, for blending purpose to manufacture large volume L ring barrels. |
| | B55H03 | S | 955 | 0.35** | Good Impact strength, Rigidity, High ESCR & Low Parison Sag | Medium volume Containers (upto 100L) for transport & Storage of Chemicals, Detergents, Lube Oil. Blow Moulded Water Tanks (upto 1000L). |
| Films | F52H04 | S | 952 | 0.25** | Excellent Processability at High Speed | Garment/Grocery/Merchandise Bags, Disposal Waste Bags, Counter Bags, Shopping bags. etc. |
| Raffia/ Monofilament | R5504 | S | 962 | 0.43 | Mechanical Strength, Low Water Carry Over, Good Processability | Packing Straps, Woven Sack bags for industrial product packaging, Pond liners & Monofilament etc. |
| | R5410 | G | 954 | 0.90 | Excellent Processability & Tenacity | Raffia Tapes for Woven Sacks & Tarpaulin, Knitted nets for crop protection, "Raschel" sacks for vegetables, Ropes. |
| | Y5710 | G | 957 | 0.90 | Excellent Processability & Tenacity | Monofilament for Nets, Insect Screens, Twines & Ropes, Fishing, Mosquito, Agro Shade nets etc. |
| Pipes | P5002 | S | 950 | 0.90** | Excellent Processing-Meets PE-63 Requirements | Pipe Coating, Steel Pipe Lining and Submarine Cables, PE-63 pressure pipes for agriculture, sprinkler pipe |
| | P51H10 | S | 951 | 0.45** | Excellent ESCR, Mechanical Strength & Creep Resistance | Pipes for Water Supply (PE-80), Civil Engineering, Drainage, Water Heater, Chemicals, Corrugated Tubes & Pipes, Large diameter irrigation pipes |
| | P50H03 | S | 950 | 0.28** | Excellent ESCR, Mechanical Strength and Creep Resistance | Large Diameter Pipes, High Pressure (PE-100) Pipes for agriculture, Sewerage/Drainage Pipes, Water Pipes |



S-Slurry Process, G - Gas phase process

* All values are given as Provisional; it should not be considered as Product Specification / Guaranteed Value.

**MFI at I₂.

For MSDS, and any other product related enquiry, Visit us at www.opalindia.com