

Sector	Grade	Technology #	Density* (Kg/m ³)	MFI* (I ₂) (g/10min)	Special Characteristics	Typical Applications
			ASTM D1505	ASTM D1238		
Blow Molding	B6003	S	961	0.35	Excellent Rigidity and Good Processability	Containers/bottles from 5L to 20L for Oil, Vanaspati & General purpose Packing
	B5004	S	950	0.40	Excellent ESCR and good external appearance	High ESCR Containers/Bottles up to 10L for Packing of Pesticides, Surfactants & Cosmetics, shampoo
	B55H02	S	955	0.20**	Good Impact strength, Rigidity, High ESCR & Low Parison Sag	Large Containers (More than 100L) for transport & Storage of Chemicals, L ring barrels.
	B55H03	S	955	0.35**	Good Impact strength, Rigidity, High ESCR & Low Parison Sag	Large Containers (upto 100L) for transport & Storage of Chemicals, Detergents, Lube Oil. Blow Moulded Water Tanks (upto 1000L).
Film	F52H04	S	952	0.25**	Excellent Processability at High Speed	Garment / Grocery/ Merchandise Bags, Disposal Waste Bags, Counter Bags, Shopping bags. etc.
Raffia / Monofilament	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	1.00	Excellent Processability & Tenacity	Monofilament for Nets, Twines & Ropes



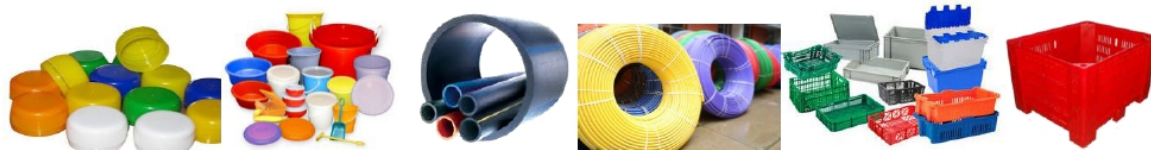
S- Slurry Process, G – Gas phase process

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**MFI at 5 kg load (I₅).

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Sector	Grade	Technology #	Density* (Kg/m ³)	MFI* (I ₂)(g/10min)	Special Characteristics	Typical Applications
			ASTM D1505	ASTM D1238		
Injection Moulding	M5220	G	952	21.0	High Flow & Good Warpage Resistance	Housewares, Thin Walled Food Containers & Base Resin for Filler Master Batch
	M6008	G	960	8.0	Excellent Rigidity & Impact Strength, low warpage	Agriculture & Industrial Crates, Pellets, Helmets, Injection Moulded Caps & Closures
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	0.25**	Excellent ESCR, Mechanical Strength and Creep Resistance	Large Diameter Pipes, High Pressure (PE-100) Pipes for agriculture, Sewerage/Drainage Pipes, Water Pipes



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**MFI at I₅.

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Sector	OPaL Grade	Density* (Kg/m ³)	MFI * (g/10 min.) (Iz)	Special Characteristics	Typical Applications
		ASTM D1505	ASTM D1238		
Films	F2001A	920	1.00	Good Process ability, Better Sealing, Higher Puncture Resistance, Greater Drawdown Capability, Higher tensile strength - Contains Anti-Oxidant. No Slip and No Anti Block additives	Stretch Films, Drip Laterals, Cling Films, Lamination Films, Liners, Co-extrusion films.
	F2001S	920	1.00	Good Process ability, Better Sealing, Higher Puncture Resistance, Greater Drawdown Capability, Higher tensile strength - Contains Anti-Oxidant, with Slip and Anti Block additives	Liquid Packaging Films, Heavy Duty Films, Multilayer Films, Carrier Bags, Drip Laterals, Agriculture films
	F2002A	920	2.00	High Output - Contains Anti-Oxidant. No Slip and No Anti Block additives	Light and Medium Duty Film, Stretch Cling Film, air bubble films, drip lateral
	F2002S	920	2.00	High Output - Contains Anti-Oxidant with Slip and Anti Block additives	Light and Medium Duty Films, blending with LDPE
Roto Molding	T3804	938	4.00	Narrow MWD, Excellent Process ability, Good Impact Strength & Stiffness, Excellent Internal & External Surface Finish	Rotational Moulded products like Overhead water tanks, Loft Tanks, Septic Tanks, Chemical Storage Tanks, Toys, Furniture, Injection Moulded Technical Parts and Closure
	T3804U	938	4.00	UV Stabilized. Narrow MWD, Excellent Process ability, Good Impact Strength & Stiffness, Excellent Internal & External Surface Finish	For Rotational moulding applications requiring Outdoor Exposure
Lamination	E2507	927	7.00	Extrusion Coating Grade: Excellent Flow, Good Softness	Lamination for Woven sacks, tarpaulin in blend with LDPE
Injection Molding	M2525	932	25.00	Excellent Flow Properties and Process ability, Very High Warpage Resistance	Housewares, Thin walled Food Containers, Lids, suitable for fast cycling applications
	M2550	932	50.00	Excellent Flow Properties and Process ability, Very High Warpage Resistance	Base Resin for Master batches, Moulding of Flat and Large Warpage Free Products / Lids, housewares
Drip Lateral	D2001S	920	1.10	High Output and good process ability Contains Anti-Oxidant with Slip and Anti Block additives	Drip laterals and general-purpose packaging film application.



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Polypropylene - Homopolymer				
Sector	OPaL Grade	MFI*(g/10 min.) (I ₂)	Special Characteristics	Typical Applications
		ASTM D1238		
Injection Moulding	MH13	13	General Purpose	Thin parts/Fast moulding, Housewares, Consumer Products, Packaging
	MH13A	13	Antistatic	General purpose Inj. Moulding such as Thin Parts, furniture, rigid packaging, Housewares etc
Films (TQ, Cast & BOPP)	FH10S	10	With Slip& Anti-block	TQPP: Water Quenched film, Merchandizing Bags, General purpose textile packaging, Grocery & Snack food packaging
	FH03	3.4	BOPP: Tenter-Frame	Flexible Packaging, Overwrap, Metalized Films, Plain Textile films
Fibre & Tape	RH03	3.3	Low water carry-over, good balance of Tenacity-Elongation	Oriented structures (Stretched tapes), Cement/Fertilizer/Food grain packaging bags, Bulk industrial packaging (FIBC) etc.
	RH25X	25	Anti Gas fading, High Speed	Multi Filament Yarns, Spun-bond Non-Woven, Fine Denier Staple Fibres
	RH38	38	Anti Gas fading, High Flow	Spun-bond Non-Woven, High Speed Spinning, Fine Denier Fibres

Polypropylene – Impact Copolymer

Sector	OPaL Grade	MFI*(g/10 min.) (I ₂)	Special Characteristics	Typical Applications
		ASTM D1238		
Injection Moulding	MI03	3.5	High Impact, Good Stiffness	Industrial Moulding, Furniture, Automotive Components
	MI08N	8	Nucleated, Antistat	Crates and Other Returnable Transport Packaging, Paint Pails, Lube Pails, Luggage& Furniture
	MI12NX	12	Nucleated, Anti-static, Good gloss	Industrial Moulding, Appliances, Automotive Parts, Houseware & Luggage

Polypropylene – Random Copolymer

Injection Moulding	MR12C	12	Clarified, Antistatic	High Clarity Rigid Containers, Media Packaging, Housewares, Injection Stretch Blow Moulding (ISBM)
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