

PP Grade Slate

Family	Sector	Brand, Technology, Location	Grades	MFI (I ₂)	Application
Homo-Polymer	Raffia	G-Pro Unipol, Grace, Usar & PATA	WHP035	3.5	Woven sacks for cement, chemicals, fertilizer, food grain packaging, FIBC for bulk packaging
			WHP035U	3.5	
	TQ Film		FHP105	10.5	TQ film for packaging of snacks and bakery foods, Garment packaging, Textiles over wraps.
			FHP105U	10.5	
	BOPP Film		FHP032	3.15	General purpose & co-extruded BOPP film, heat sealable films, Cast PP films etc.
			FHP032U	3.15	
	Injection Moulding		IHP120	12	Furniture, household articles & Auto components
			IHP120U	12	
	Extrusion/ Thermoforming		THP035	3.5	Industrial products, household products, general purpose extrusion.
			THP035U	3.5	
	Yarn/Fibre/ Filament		YHP360	36.0	Spun Bonded non-oven fabric for Disposables, commodity packaging etc.
			YHP360U	36.0	
Impact Co-Polymer	Injection Moulding (Low MI)	G-Pro Unipol Grace, PATA	ICI035	3.5	IM components for automobiles, home appliances and industrial products, caps & closures
	Injection Moulding (Medium MI)		ICI115	11.5	Automobiles, home appliances and industrial products, houseware, molded furniture, luggage shells.
	Injection Moulding (High MI)		ICI250	25	Automobiles, home appliances and industrial products, houseware
	Injection Moulding (Very High MI)		ICI400	40	Home appliances, PP compound for automotive components, thin wall injection moulding.
Random Co-Polymer	Blow Moulding		BCR020	1.90	Blow molded articles, sheet extrusion, IBM products.
	Injection Moulding		ICR120	12.0	Transparent injection molded rigid containers, Houseware, Syringes, ISBM bottles.

PTA Grade Slate

Technology	Sector	Technical specification	Application
INEOS, UK	Polyester	b-Color: 0.2-1.1 µm, 4-CBA: 25 PPM(Max)	Raw material for polyester downstream industries-Filament & Yarns, Flexible Packaging, PET Bottle. Powder Coating and Resins

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Brief Details of Polymer & Chemical Plants are given below

Unit	Technology & Licensor	Capacity (KTA)
HDPE-1 & 2, Pata	CX slurry–Mitsui Chemicals, Japan	200 (100 × 2)
LLDPE/HDPE swing -1, Pata	Scclairtech– Nova Chemicals, Canada	210
LLDPE/HDPE swing-2, Pata	Unipol – Univation Technology, USA	400
PP - PATA	Unipol-W.R Grace, USA	60
PP - Usar	Unipol-W.R Grace, USA	500
PTA-GMPL	INEOS, UK	1250

HDPE Grade Slate

Sector	Grade	MFI (l ₂) (g/10min) ASTM D1238	Density (@23°C) (g/cc) ASTM D1505	Application
Raffia & Mono-Filament	G-Lene W50A009	0.9	0.952	Fertilizer, food grain, sugar, chemicals and industrial packaging, tarpaulin, fishing nets, mosquito nets.
	G-Lene T50A010	1.0	0.950	
	G-Lene Y50A010U	1.0	0.950	
	G-Lex W52ASR009 G-Lex W52ASR009N	0.45	0.964	Medium strength ropes and twines.
	G-Lex W55A004 G-Lex W55A004N	0.45	0.955	High strength yarn, ropes, fishing nets
Injection Moulding	G-Lene I60A080	8.0	0.960	General purpose crates, caps and closures etc.
	G-Lene I62A080U	8.2	0.963	Soft drink crates, milk crates, fishing crates, helmets etc.
	G-Lene I60U080	8.0	0.960	
	G-Lene I62U080U	8.2	0.963	
	G-Lene I50A180	20	0.952	Household items like bucket, mug, toys, large size
	G-Lene I56A200U	20	0.952	
Blow Moulding	G-Lex B52A003 G-Lex B52A003N	0.42	0.954	Small size containers up to 05 L for foodstuff (edible oil, ghee etc.), industrial chemicals, lube oil, cosmetics etc.
	G-Lene B56A003	0.40	0.954	Medium size container up to 15 L for foodstuff like edible oil, ghee etc.
	G-Lex B63A003 G-Lex B63A003N	0.40	0.963	
	G-Lex B55HM0003 G-Lex B55HM0003N	0.08, I ₂₁ =11	0.954	Containers up to 120 L for industrial chemicals, oils etc.
	G-Lex E52A003 G-Lex E52A003N	0.22, I ₅ =0.95	0.954	PE-63 pipes, portable water pipe, sprinkler irrigation, sewerage etc.
Pipe	G-Lex E52U003 G-Lex E52U003N	0.22, I ₅ =0.95	0.954	UV stabilized for PLB/DWC telecom ducts.
	G-Lex P54A001 G-Lex P54A001N	0.09, I ₅ =0.46	0.954	PE-80 pipes, portable water pipe, sprinkler irrigation, sewerage etc.
	G-Lex P52A003	0.05, I ₅ =0.25	0.952	PE-100 high pressure pipes for portable water.
Film	G-Lex F55HM0003 G-Lex F55HM0003N	0.09, I ₂₁ =13	0.954	Carry bags, shopping bags, trash bags, deep freeze bags, industrial liners
	G-Lene E45A003	0.3	0.945	Used in blend with LD/LLD for various lamination/non lamination film

LLDPE Grade Slate

Sector	Grade	MFI (l ₂) (g/10min) ASTM D1238	Density (@23°C) (g/cc) ASTM D1505	Application
Film	G-Lene F20S009	0.9	0.920	Lamination and non-lamination film such as liquid packaging, dairy applications, FMCG packaging, detergents, food items etc.
	G-Lene F18S010U	1.0	0.918	
	G-Lene E20AN009	0.9	0.918	Lamination film, stretch film, cling film , shrink film etc.
	G-Lene F18A010U	1.0	0.918	
	G-Lene F18S020U	2.0	0.918	Lamination and non-lamination film such as liquid packaging, dairy applications, FMCG packaging, detergents, food items etc.
	G-Lene F18A020U	2.0	0.918	Cast stretch film, Air bubble film etc.
	G-Lene F18A030U	3.1	0.918	Blown and cast stretch films.
	G-Lene MF18S010U	1.0	0.918	Lamination and non-lamination film such as liquid packaging, dairy applications, FMCG packaging, detergents, food items etc.
	G-Lene MF18A010U	1.0	0.918	
	G-Lene E36A060	7	0.922	Extrusion coating on HDPE woven fabric
Master batch/ Injection Moulding	G-Lene E24A070U	7	0.922	Extrusion coating on HDPE woven fabric, Wire and cable application
	G-Lene I26A500U	50	0.926	Master batch and fillers, caps etc.
	G-Lene I26A350U	35	0.926	Soft food containers, caps & closures, Master batch etc.
Rotational Moulding	G-Lene R35A042	4.2	0.935	Chemical tanks, water storage tanks, loft tank, pallets etc.
	G-Lene R36A050U	4.5	0.936	
	G-Lene R35U042	4.2	0.935	Water storage tank, bins, road dividers, playground equipment, toys, boats etc.
	G-Lene R36U050U	4.5	0.936	
Drip Pipe	G-Lene D22S010	1.0	0.922	Drip pipe

