

Description	ICORENE® code	Density	MFI	General Characteristics	Typical Applications
Standard Powder Grades Natural, Colours, and Black	2550	0.924	3.6	Flexible, good ESCR, low shrinkage and very tough	Floats, buoys & items for material handling
	3545	0.935	4.2	Medium stiffness, easy to mould	General purpose
	3560	0.935	5	Medium stiffness, easy to mould	General purpose
	3590	0.935	9	Medium stiffness, high flow	General purpose & toys
	3940	0.939	4	Higher stiffness & easy to mould	Tanks and other large mouldings
High Performance Hexene Powder Grades Natural, Colours, and Black	1210	0.926	3.3	Flexible and tough with very high impact strength & ESCR	IBCs, floats and bins
	1613	0.938	4.5	Good stiffness, high processing speed, impact strength & ESCR	Small and medium tanks
	1613 Bk85	0.938	4.5	Special black version of 1613	TuV Approved fuel tanks, manholes and filled rib tanks
	1314	0.939	3.0	Very high ESCR & impact with good stiffness and easy release	Big water tanks. Oil, Chemical, Septic & Agricultural tanks
	1339	0.943	3.0	Very high stiffness, high impact strength and ESCR.	Big tanks and other large mouldings
	1761	0.934	6.0	Medium stiffness mPE, with high cure speed & wide impact window	Fuel tanks, custom parts
	1741	0.940	4.0	High density metallocene PE material with very good impact	Tanks and boats
	1761 Black 9001	0.934	6.0	Medium stiffness mPE, with high cure speed & wide impact window	Fuel tanks, custom parts
	1741 Black 9001	0.941	4.0	High density metallocene mPE material with very good impact	Tanks
Natural Pellets (INEOS)	ELTEX LL2635 UA	0.926	3.3	Flexible and tough	IBCs, floats and bins
	ELTEX HD 3850 UA	0.938	4.5	Fast processing	Medium tanks, fuel tanks
	ELTEX HD 3930 UA	0.939	3.0	High Impact and ESCR	Big tanks, fish boxes
	ELTEX HD 4330 UA	0.943	3.0	High Stiffness	Weight saving big tanks

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Flexible	2900	0.900	7.5	Ultra flexible LDPE, easy to process and very tough	Street furniture, floats and buoys
	1901	0.902	10.0	Rubber-like PE with high flexibility and easy moulding. UV stabilised	Street furniture, floats and buoys
Flame retardant	1761 V2	>1.00	6.0	UL94 V2 rated for 3mm flame retardant PE. Easy moulding	Tanks and bins required to have flame retardancy
	9105 V0	>1.00	N/A	UL94 V0 rated for 5mm flame retardant PE. Easy moulding Limited colors available	Tanks, machine covers and bins required to have flame retardancy
Foam	6005	0.200	NA	Foam concentrate to blend with PE powder to create an easy to use foam blend	Second shot material for use in boats, insulated boxes, covers and wheels
	6007	0.120	NA	Foam powder designed for easy & consistent moulding of two or three layer structures	Second shot material for use in boats, insulated boxes, covers and wheels
	6152 OSF	0.150	NA	Foam pellet giving one shot capability. For best results we recommend additional input on tooling design and processing	Twin wall fill products such as IBC frames, lids, insulated boxes & structural components
Speciality	1761 SC Black	0.935	6.0	Semi Conductive black PE. Features good flow and impact properties. UV stabilised	Bins, covers & machine housings
	1869	0.927	3.5	Metal adhesive grade with excellent toughness and metal bonding properties	Adhesive tie layer for PE, corrosion protection, rotolining of pipes or tanks
	1500 Natural 1500 Black 9000	0.945	N/A	Cross-link mPE. Ultimate HDPE for toughness, ESCR, chemical resistance, high melt flow. UV stabilised	Hydraulic oil tanks, fuel tanks, chemical tanks and abrasion applications
	4014 Natural 4014 Black 9001	0.900	15.0	PP copolymer. Used for its higher stiffness, temperature & scratch resistance. Easy to mould. UV stabilised	Engine components, small tanks, ducting and industrial housings
	9005	1.020	NA	Nylon 12. Easy to mould exhibiting high temperature resistance & stiffness. Heat Stabilised	Engineering performance products such as automotive fuel tanks
	9908	1.200	38.0	Polycarbonate, glass clear, UV stabilised roto powder. Very high stiffness & hardness with inherent flame retardancy	Lighting globes and point of sale items
	5125	0.951	3.2	HDPE with excellent stiffness and impact strength High hardness. UV stabilised	Boats, Kayaks, canoes. Often for 3 layer sandwich constructions

For more information about any ICO product or service, please don't hesitate to call us by telephone on +44 (0) 1427 676767, or email us on EuropeSales@icopolymers.com and visit our website at www.icopolymers.com and www.aschulman.com

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