

Icorene rotomolding grade range



Code	Density	MFI	Characteristics	Typical Applications
Standard UV grades				
3545	0.935	4.2	Medium stiffness, easy to mold	General purpose
3560	0.935	5	Medium stiffness, easy to mold	General purpose
3575	0.935	7	Medium stiffness hexene high flow, easy to mold	General purpose items
3590	0.935	9	Medium stiffness, high flow, good whiteness, low pinholes	Designer items, general purpose moldings & toys
3855	0.938	5	Higher stiffness hexene with good flow	Medium tanks, general items
High performance UV Hexene grades				
1210	0.926	3.3	Flexible and tough with very high impact strength & ESCR	IBCs, floats and bins
1314	0.939	3	Very high ESCR & impact with good stiffness, TÜV (nat & blk)	Large tanks, Heating oil, Chemical, Septic & Agricultural tanks
1339	0.943	3	Very high stiffness, high impact strength and ESCR	Big tanks and other large moldings
1380	0.939	4	Very high ESCR & impact with good stiffness, TÜV (nat & blk)	Large tanks, Heating oil, Chemical, Septic & Agricultural tanks
1440	0.940	4	High density PE material with very good impact	Big tanks and other large moldings
1460	0.936	7.5	Medium stiffness PE, with high cure speed and wide impact window	Fuel tanks, custom parts
1490	0.936	12	Very high ESCR and cold impact strength, low pinholes on the surface	Cleaning machines, furniture
1613	0.938	4.5	Good stiffness, high processing speed, impact strength & ESCR, DiBt & TÜV (nat)	Small and medium tanks, versatile grade
1613 BK85	0.938	4.5	Good stiffness, high processing speed, impact strength & ESCR, DiBt & TÜV	Diesel, ad-blue, biodiesel tanks
1741	0.941	4	High density metallocene PE material with very good impact, TÜV (nat & blk)	Large tanks, stiff custom parts
1761	0.936	6	Medium stiffness metallocene PE, high processing speed, TÜV (blk)	Diesel tanks, custom parts
X Link HDPE				
1505	0.945	N/A	Cross-link HDPE. Ultimate HDPE for toughness, superior ESCR, chemical resistance, high melt flow, low odor, TÜV (Blk)	Hydraulic oil tanks, fuel tanks, chemical tanks and abrasion applications
High performance UV Hexene pellets				
LL 2635 UA	0.926	3.3	Flexible and tough, premium UV	IBCs, floats and bins
HD 3850 UA	0.938	4.5	Balance between stiffness, impact and good processing, premium UV	Medium tanks, fuel tanks
HD 3930 UA	0.939	3	High Impact and ESCR, premium UV	Big tanks, fish boxes
HD 4330 UA	0.943	3	High Stiffness, premium UV	Weight saving big tanks
3621 M RM	0.936	7.5	Balance between stiffness, impact and good processing, premium UV	Medium tanks, fuel tanks
4021 K RM	0.940	4	High impact and ESCR, premium UV	Big tanks and other large moldings

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Flexible				
1901	0.902	10	Rubber-like PE with high flexibility and easy molding	Street furniture, floats and buoys
Flame retardant				
1762 V2	>1.00	5	Non-halogenated V2 rated for 3 mm flame retardant PE. Easy molding	Bins and industrial parts required to have flame retardancy
9106 V0	>1.00	N/A	Non-halogenated "UL94 V0 certified" for 5 mm flame retardant off white coloured PE.	Engine housing, machine covers, electrical covers and boxes
Speciality				
1062ESF	0.934	8	"Next generation" enhanced surface finish, good flow, no surface pinholing, good physical properties	Designer furniture, hygienic & medical applications
3590 SC Black	0.935	9	Semi Conductive black PE. Features good flow and impact properties	Bins, covers & machine housings
1869	0.927	3.5	Metal adhesive grade with excellent toughness and metal bonding properties	Corrosion protection, rotolining of pipes or tanks
1870	0.939	20	Enhanced adhesive grade with excellent metal bonding properties, especially for aluminum	Fire extinguishers, ad-blue tanks, corrosion protection, rotolining of pipes or tanks
3150	0.935	13	Extremely high flow PE with medium stiffness, low pinholes	Furniture, lighting, intricate moldings
4014	0.900	15	PP copolymer. Used for its higher stiffness, temperature & scratch resistance. Easy to mold. UV stabilised	Engine components, small tanks, ducting and industrial housings
5045 SL	0.950	5.9	High UV rated HDPE, extremely rigid, hard and tough	Kayaks and boats, and items requiring high rigidity with toughness and low temperature
7710	1.150	N/A	Nylon 6. Very high temperature and high impact resistance. Fully stabilized	Engineering performance products e.g. ducts
9402	0.890	30	Optimum hot and cold Elastomer, soft touch, easy to process and extremely tough	Furniture, marine buffers and automotive ducting
9468	1.110	8.5	Flexible and tough with very high scratch resistance	Interior parts automotive
9909	1.200	19	Polycarbonate, glass clear, UV stabilised roto powder. Very high stiffness & hardness with inherant flame retardancy	Lighting globes and point of sale items
9993	1.800	N/A	PVDF. Easy to mold exhibiting EXTREMELY high temperature, flame and chemical resistance	Engineering performance products eg. Chemical tanks and ducts

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