

# Icorene Rotomoulding Grade Range 2019

Type	Code	Density	MFI	Characteristics	Typical Applications
Standard UV grades	3545	0.935	4.2	Medium stiffness, easy to mould	General purpose
	3560	0.935	5	Medium stiffness, easy to mould	General purpose
	3575	0.935	7	Medium stiffness hexene high flow, easy to mould	General purpose items
	3590	0.935	9	Medium stiffness, high flow, good whiteness, low pinholes	Designer items, general purpose mouldings & 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 mouldings
	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 metallocene PE material with very good impact	Big tanks and other large mouldings
	1460	0.936	7.5	Medium stiffness mPE, with high cure speed and wide impact window	Fuel tanks, custom parts
	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
X Link HDPE	1505	0.945	N/A	Cross-link HDPE. Ultimate HDPE for toughness, superior ESCR, chemical resistance, high melt flow, low odour, 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

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<b>Flexible</b>	<b>1901</b>	0.902	10	Rubber-like PE with high flexibility and easy moulding	Street furniture, floats and buoys
<b>Flame retardant</b>	<b>1762 V2</b>	>1.00	5	Non-halogenated V2 rated for 3 mm flame retardant PE. Easy moulding	Bins and industrial parts required to have flame retardancy
	<b>9106 V0</b>	>1.00	N/A	Non-halogenated <b>"UL94 V0 certified"</b> for 5 mm flame retardant off white coloured PE.	Engine housing, machine covers, electrical covers and boxes
	<b>9134 M3</b>	>1.00	N/A	<b>"M3 certified"</b> for 5 mm flame retardant off white coloured PE.	Lighting, machine covers, electrical covers and boxes
<b>Speciality</b>	<b>1062ESF</b>	0.934	8	<b>"Next generation"</b> enhanced surface finish, good flow, no surface pinholing, good physical properties	Designer furniture, hygienic & medical applications
	<b>3590 SC Black</b>	0.935	9	Semi Conductive black PE. Features good flow and impact properties	Bins, covers & machine housings
	<b>1869</b>	0.927	3.5	Metal adhesive grade with excellent toughness and metal bonding properties	Corrosion protection, rotolining of pipes or tanks
	<b>1870</b>	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
	<b>3150</b>	0.935	13	Extremely high flow PE with medium stiffness, low pinholes	Furniture, lighting, intricate mouldings
	<b>4014</b>	0.900	15	PP copolymer. Used for its higher stiffness, temperature & scratch resistance. Easy to mould. UV stabilised	Engine components, small tanks, ducting and industrial housings
	<b>5045 SL</b>	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
	<b>9402</b>	0.890	30	Optimum hot and cold Elastomer, soft touch, easy to process and extremely tough	Furniture, marine buffers and automotive ducting
	<b>9468</b>	1.110	8.5	Flexible and tough with very high scratch resistance	Interior parts automotive
	<b>9909</b>	1.200	19	Polycarbonate, glass clear, UV stabilised roto powder. Very high stiffness & hardness with inherent flame retardancy	Lighting globes and point of sale items
	<b>9993</b>	1.800	N/A	PVDF. Easy to mould exhibiting EXTREMELY high temperature, flame and chemical resistance	Engineering performance products eg. Chemical tanks and ducts

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