

INNO-COMP

REDEFINING TRUST

ABOUT US

INNO-COMP HUNGARY was founded on 1st January, 1999 as the first **integrated polypropylene compounding company** in Central Eastern Europe. It is situated in Tiszaújváros, Hungary, some 180 km east of Budapest.

INNO-COMP BOHEMIA started operation in October 2008 in Litvínov, **Czechia**, ensuring the more efficient supply of our customers throughout Europe.

Both production sites are **integrated** with the two biggest **polyolefin producers** in the Central and Eastern European region: with **MOL Petrochemicals** in Tiszaújváros and **Unipetrol** in Litvínov. This physical proximity gives Inno-Comp Group and its customers many long-term strategic advantages.

INNO-COMP SLOVAKIA was created in 2005 in Bratislava to conduct sales and market development activities in **Czechia** and **Slovakia**.

Our sales activity is supported by a well-organized **network of distributors and agents** in Europe and the Near East.

The covered product range branded **INNOPOL** and **INNOBATCH** includes polypropylene homopolymer, block- and random copolymer based products, which can be filled with minerals or reinforced with glass fibre or modified with elastomer.

These compounded materials have enhanced physical properties and are suitable for manufacturing strong, stiff, impact resistant, cold resistant, pressure-tight and chemically resistant products.

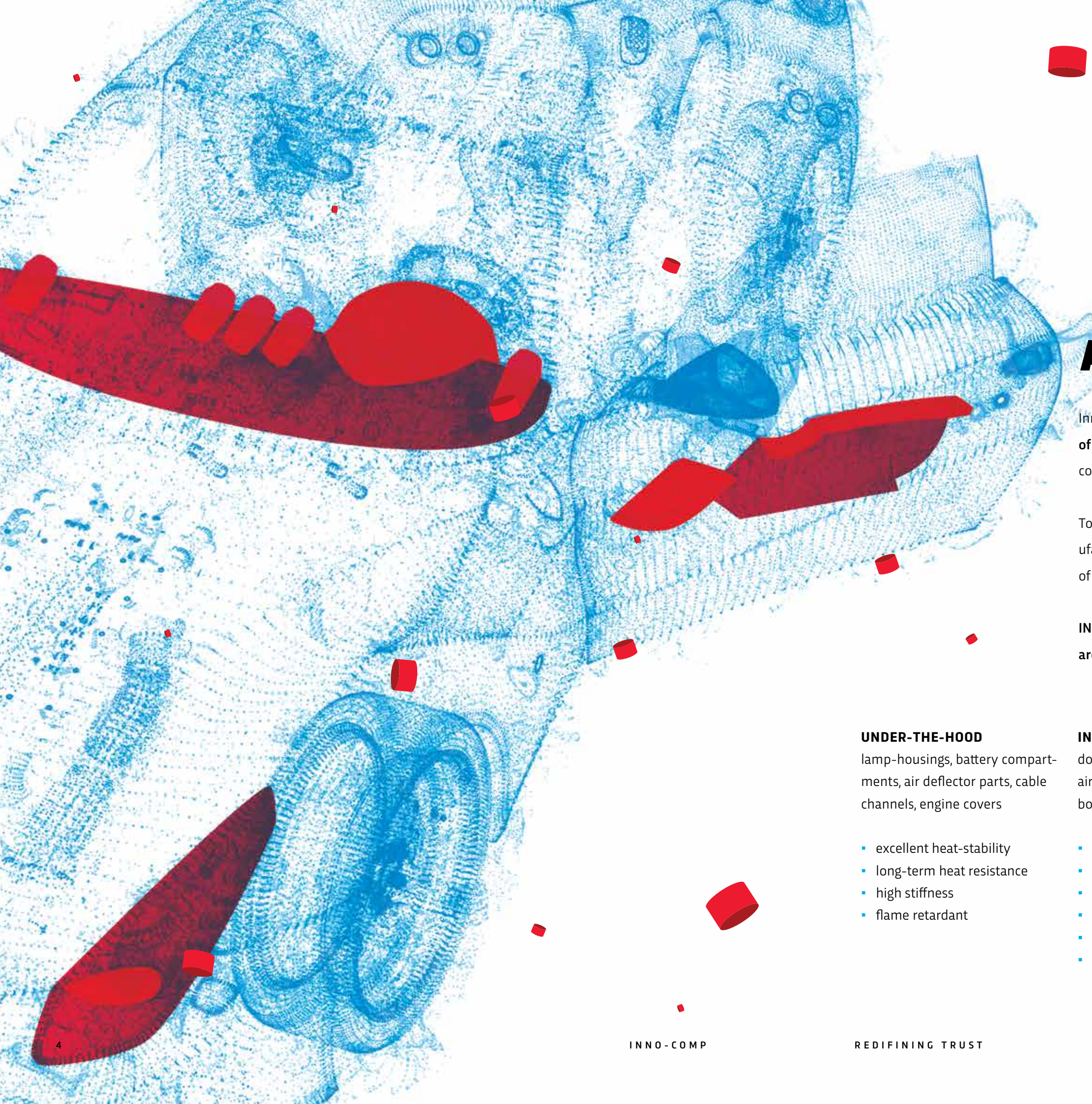
We supply our customers including OEMs and TIER1 and TIER2 companies in the **Automotive; Household and Electrical Appliances; Pipes and Fitting, Sheets; Packaging industries**.

INNOPOL®

INNOBATCH®

Inno-Comp Group is committed to **quality, environment, technical services and innovation.**





AUTOMOTIVE

Inno-Comp offers its products for the manufacturing of a **broad range of parts** in the automotive industry from small vehicle parts to more complex components produced by injection moulding.

To meet the needs of our customers we are ready to develop and manufacture **tailor-made** materials that can also meet the requirements of **OEM standards** and specifications.

INNOPOL automotive materials are widely used at many **application areas** of a car, providing further advantages to the end users.

UNDER-THE-HOOD

lamp-housings, battery compartments, air deflector parts, cable channels, engine covers

- excellent heat-stability
- long-term heat resistance
- high stiffness
- flame retardant

INTERIOR

door panels, sun-visors, seat covers, air grids, pillar trims, consoles, glove boxes, HVAC parts, instrument panels

- good organoleptic properties
- balanced physical properties
- UV-stability
- scratch resistance
- light-weight solutions
- wood fibre

EXTERIOR

bumper parts, grills, trims, boot casings, hubcaps, mudguard parts

- excellent weather resistance
- outstanding impact strength at low temperature



HOUSEHOLD AND ELECTRICAL APPLIANCES

An important part of the overall strategy of Inno-Comp is to provide its customers involved in the manufacturing of household and electrical appliances with raw materials according to their requirements.

The products made of our compounds containing different types of fillers have **excellent physical properties** and are available in various colours, as well. Furthermore, in our portfolio different **flame retardant** types can also be found.

INNOPOL materials for household and electrical appliances are trustfully applicable for the production of small- and large-sized plastic parts and are also available in **custom coloured forms**.

HOUSEHOLD APPLIANCES

washing machines, dishwashers, dryers, refrigerators, vacuum cleaners, irons, industrial cleaners

ELECTRICAL EQUIPMENTS

hairdryer parts, parts of lamps and lighting fixtures, electrical switches and switching components, sockets, casings of lawn-mowers

DO-IT-YOURSELF TOOLS

casings, metal inserted plastic parts

PHYSICAL ADVANTAGES

dimension stability, stiffness, impact strength, heat resistance, detergent resistance, UV-light resistance



PIPES AND FITTINGS, SHEETS

Our company offers its polypropylene **homopolymer, block and random copolymer based** raw materials for manufacturing of pipes and sheets to be used both in **general applications** and in **special areas**.

These pipe and sheet grades have a **low melt-flow index**, good **heat stability** and **excellent mechanical properties**. According to customer requests we always set the **specific colours**.

Barium sulphate filled homo- and copolymers are suitable for indoor sewer systems with outstanding sound insulation properties.

Random copolymer types filled with 15-25% **glass fibre** are recommended for production of **multilayer** piping systems.

Homopolymer and copolymer grades filled with **minerals** are suitable for extrusion of sheets and profiles.

INNOPOL types can be processed easily through both **extrusion** and **injection moulding**.

PRIMARY APPLICATION FIELDS

- indoor and outdoor sewer systems
- pipelines and pipe fittings used in chemical plants
- pressure pipes, pipes and other components of drinking water and heating systems
- pipes having high impact strength
- flame retardant pipes
- corrugated pipes
- co-extruded pipes
- sheets for large containers
- profiles

HIGH FILLER-CONTENT MATERIALS


Our high filler-content materials (**50-70%** filler content) can be fed as **masterbatches**. Besides our initial **polypropylene** based compounds we offer **polyethylene** based products as well.

These products are mainly recommended for the areas of the **food and packaging industries**, but they can be used for manufacturing household appliances, outdoor furniture and for other purposes, too.

The materials under the brand name **INNOBATCH** are **semi-finished products** from a user point of view, so they allow the user to determine the optimal feeding rate during the processing operation. In this way, significant cost saving can be achieved without deteriorating the quality.

APPLICATIONS

- sheets and profiles
- multi-layer sheets
- packaging containers and boxes
- garden furniture
- food packaging (well-printable and breathable films)

<div></div> <div>INNOPOL INNOBATCH MATERIALS</div>	APPLICATION FIELDS								TYPICAL PRODUCT PROPERTIES												FILLER TYPE AND CONTENT (%)											
	EXTRUSION		INJECTION MOULDING						Method Unit	ISO 1133 g/10 min	ISO 1183 g/cm³	ISO 527-1,-2 MPa	ISO 527-1,-2 MPa	ISO 179/1eU kJ/m²	ISO 179/1eU kJ/m²	ISO 179/1eA kJ/m²	ISO 179/1eA kJ/m²	ISO 178 MPa	ISO 75-1,2 °C	UL-94												
	Pipe	Sheet	Fitting	Packaging	Household Appliances	Auto / Interior	Auto / Exterior	Auto / Under the hood	Others		MFR (2.16kg, 230°C)	Density 23°C	Tensile Modulus	Yield Stress	Unnotched Impact Strength Charpy 23°C	Unnotched Impact Strength Charpy -20°C	Notched Impact Strength Charpy 23°C	Notched Impact Strength Charpy -20°C	Flexural Modulus	HDT (0.45 MPa)	FR class	Scratch resistance	UV resistance	talc	chalk	mica	glass fibre	barium sulphate	elastomer	wood fibre/powder	different filler content	
CS 1-1120 EX BU					x		x		x		22	1,04	2750	31	35	13	2,5	1,4	2800	115			x	22								x
CS 1-1240					x				x		22	1,24	2900	25	31	14	3	2	3250	119					42							x
CS 1-2140 LH								x	x		15	1,22	4000	31	25	11	2,2	1,5	4200	131				38								x
CS 1-3120 OL					x	x			x		12	1,04	2750	32	40	14	3	1,5	2700	118				20								x
CS 1-3130 GF5 GU					x		x		x		10	1,14	4500	48	22	16	3	2,5	4500	152			x	25			5					x
CS 1-3140 OL					x	x			x		10	1,24	4200	31	18	12	2,7	1,5	4500	135				40								x
CS 1-3250 A-110					x				x		7,5	1,24	2700	25	35	15	4,5	2	3100	120					42							x
CS 1-3260 H-180					x				x		7	1,39	3300	21	29	11	3,8	2,1	3850	123					55							x
CS 1-3750 HFR					x	x		x	x		12	1,21	2700	25	16	7	3,5	2	2500	104	V-0			20								x
CS 1-3830						x					10	1,13	6500	85	34	24	9	6	6200	157							30					x
CS 1-4140 AP								x			5	1,22	3500	26	30	14	4	1,7	3700	120				40								x
CS 1-4610 FR					x	x			x		6	0,92	1500	34	17	18	4,5	1,5	1500	96	V-2											
CS 1-4940 MC						x					5	1,2	4200	45	19,5	11,4	2,3	1,3	4400	121						40						x
CS 1-5120 LH								x			12	1,05	2500	31	65	19	4,5	1,9	2600	112				20								x
CS 1-5140 LH								x			15	1,22	4000	31	30	13	3,5	1,6	4100	133				38								x
CS 1-5810 T20					x				x		8	1,14	4500	53	25	23	4,5	3,4	4500	155				20			10					x
CS 1-5840 MA					x			x	x		3,5	1,21	8700	104	52	51	12	10,5	8500	159						40						x
CS 1-6140					x				x		2	1,22	4100	35	23	12	3,5	2,2	4200	139				40								
CS 1-7000	x	x	x								0,7	0,9	1200	30	N.B.	N.D.	6,5	N.D.	1500	85												
CS 1-7120	x	x	x		x						0,8	1,04	2500	32	60	18	3,5	2	2600	115				20								x
CS 1-7830 HL					x	x			x		2	1,13	6200	85	44	40	10	7	6100	156						30						x
CS 1-8000	x	x	x								0,3	0,9	1400	33	N.B.	36	8	1,5	1500	93												
CS 2-2000 T0							x		x		20	0,9	900	21	N.B.	N.B.	40	8	950	89			x									
CS 2-2910 WF NU							x	x	x		17	0,93	1750	27	18	13	3,6	2,3	1850	125			x							10		x
CS 2-3120 BPLU								x			13	1,05	2500	28	65	26	4	2,3	2550	125			x	20								x
CS 2-3120 M0					x	x		x			15	1,04	1600	19	109	47	6	2,8	1550	91			x	20								x
CS 2-3130					x				x		10	1,13	2900	26	43	22	4	2,4	3000	129				29								x
CS 2-4000 GM BA								x			7	0,91	1300	25	N.B	90	12	4,5	1300	85												
CS 2-4630 FR					x				x		7	0,95	2000	19	59	19	2,5	1,5	1600	108	V-0											x
CS 2-4750 EMR					x				x		6	1,3	2650	24	23	14	2,5	1,5	2800	125	V-0			20								x
CS 2-5830						x		x	x		5	1,13	6100	75	32	36	9	7,5	6100	160							30					x
CS 2-7630 FR	x	x	x								1	1,17	1600	26	N.B.	30	7,5	2	1400	122	V-0											x
CS 2-8000	x	x	x								0,3	0,9	1450	30	N.B.	127	60	5	1500	92												
CS 2-8940 BA42 GU	x	x	x								0,9	1,4	1650	19	N.B.	65	20	4,5	1650	80			x				42					x
CS 2-8960 BA60	x	x	x								0,9	1,75	1900	16	N.B.	35	20	3	2050	80							59					x
CS 2-9000 BU/2						x	x				40	0,91	1200	26	N.B.	140	8	4	1050	105			x									
CS 2-9120 BPL								x			25	1,04	2300	22	54	25	4	2,5	2300	115				21								x
CS 2-9301 B/4						x					26	0,9	1100	19	N.B.	170	14	6	1120	85									10			x
CS 2-9522 T15SR						x					30	1,01	1600	19	N.B.	130	20	4,5	1600	90		x		15						10		x
CS 2-9523 B							x				25	1,04	1600	18	N.B.	120	14	4	1700	100			x	20						15		x
CS 3-9120 SR5 BU						x					30	1,01	2100	24	98	38	4,5	2,2	2200	108		x	x	16								x
CS 3-9230 KAR YU					x				x		35	1,12	1950	25	58	13	4	2	2000	108			x			26						x
CS 4-8000	x		x								0,3	0,9	850	25	N.B.	70	20	2,5	1000	68												
CS 4-8820	x										0,7	1,05	4000	61	66	42	17,5	9	3700	135						20						x
CS 5-8250 W				x							0,35	1,46	1100	15	81	35	21	7,5	1300	57					50							x
INNOBATCH PPH 6160				x					x		2	1,5	-	-	-	-	-	-	-	-				60								
INNOBATCH PPH 6260				x					x		2	1,45	-	-	-	-	-	-	-	-					60							

We are ready to set any color required by our customers.

DEVELOPMENTS

Our **Application Technology division** possesses widespread professional experience in product development and compounding enabling us to offer **tailor-made products** and solutions for our customers.

We provide our customers with all services of Application Technology, where our team has **extensive experience** in product development. Inno-Comp has a very good relationship with universities and independent institutes (Exova, SKZ, TZW, EDAG, imat-uve, etc.), which help us develop our special grades for new and high-tech applications.

Our product range is under **continuous improvement** in accordance with the changing requirements of OEMs' standards and customers' requests.

MAIN STRENGTHS ARE

- qualified development engineers
- experience and excellent knowledge in plastics industry
- high mobility and flexibility
- extensive relationship with independent institutes
- collaboration with many universities
- fast reaction time and rapid project development
- opportunity to start joint projects with OEMs and end users
- well-equipped laboratories
- tailor-made products

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