



Phychem
Technologies Pvt. Ltd.

Compounding Your Profit!

Specialty Rotational Molding Powder
For Modern-Edge Product Manufacturing Companies.

www.phychem.com

Magic by Our Compounds

Using our speciality powder compounds, our client's have created best in class products.



Speciality Powder Compounds for Rotational Molding

We specialise in manufacturing..

- Foam Compounds
- Stone Effect Powder
- Rotolining Compounds
- Color Compounds
- Anti Microbial Compounds
- Flame Retardant Compounds
- Flexible Compounds

How We Do it Better



By using our technical expertise & experience



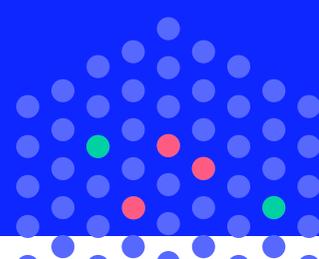
Maintaining high quality standards



Continuous innovation and research & development



By helping & guiding customers during process



Commitment & Integrity are at the Core of Great Companies



About Us & Our History

Established in 2014, Mr. Umakant founded Phychem Technologies.

Mr. Umakant is B.E. (Mech), & M.Tech in Nano Sci. & Tech. having 17 years of working experience in Rotational Molding. Phychem manufactures and supply speciality rotomolding powder compounds. Our product profile includes foam compounds, stone effect powders and rotolining compounds. Apart from off-the-shelf products, we also offer customized formulations to suit exacting customer requirements.

We not only supply products but also seek to help customers during the entire journey of successful molding and processing of the final product, through our expertise. We constantly innovate by making better products through continuous trials of our products using state-of-the-art laboratory-sized rotational molding machine fitted with advanced systems and controls. This helps us in offering focussed services and high quality products to our customers saving time and resources for them.



— Umakant Savadekar

Founder & CEO

B.E.(Mech), M. Tech. (Nano sci. & Tech.)

Vision

Phychem aspires to become the global leader and a trusted reliable partner providing future-ready, high-quality, user and environment-friendly rotational molding powder compounds.

Mission

Phychem's mission is to become the world's premier specialty rotational molding powder compound manufacturing company, with a production capacity of 50000 MT/yr, by 2025, using innovation, technical expertise, streamlined processes for operational excellence, state-of-the-art-infrastructure and strategic alliances with global players.

Infrastructure & Facility

Ultra Modern Co-Rotating Compounding

Values and Culture

- Human Safety-First and Environment Sustainability
- Customer First Approach
- Integrity & Honesty
- Collaboration and involvement
- Continuous Innovation
- Continuous Growth and Learning
- Family Spirit and Positivity in Team
- Value Talent and Skills



High Capacity German Technology Pulverising



Visit us at
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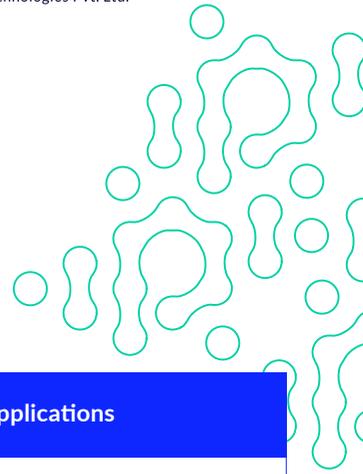
 For Business Enquiry

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Foam Grade

Our technical department has developed several different foam grades for a wide range of single or multi-layered applications. These include soft foam for increased flexibility, higher expansion foams. They are mainly used for applications requiring thermal insulation and acoustic dampening.



Grade	% loading	Expansion	Density	Applications
EF - 01	75 - 100%	4x	0.230	Water storage tanks, pallets
EF - 02	40%	4x	0.230	Water storage tanks, pallets
EF - 03	100%	3x	0.319	Underground storage tanks
EF - 04	75 - 100%	5x	0.200	Pallets, industrial insulated tanks
EF - 05	100%	6x	0.150	Fish tubs, industrial insulated tanks
ESF - 01	100%	5x	0.200	One shot foam for pallets, platforms
Flexy foam	100%	3x	0.230	Soft cushion applications

*Densities are measured after foaming.





Tank Grade



This general purpose grade is suitable for lots of products including tanks. Best combination of MFI and Density will give optimum properties and Ease of processing.



Grade	MFI	Density	Properties	Applications
LL435	4.50	0.936	Butene, Medium stiffness	Tanks, Bins ect
LL435 UV	4.50	0.936	UV 8 - 15	Outdoor color products

Stone / Marble Effect

Stone effect powders are specially formulated to give Natural look for your products. This grade is Highly UV stabilised for longer outddor life

Colors	MFI	Density	Properties	Applications
Customised Colors	4.00	0.936	UV 15 stabilised, Medium Stiffness	Outdoor planters, Garden furniture

*Base colors are Grey, White ,Brown but final shades are customised only.





High Performance Grade

Phychem supplies special grades for applications requiring more strength and stiffness like Fuel tanks, Floats, Chemical tanks These are made from special grade base polymers like Metallocene, Hexene octene.



Grade	MFI	Density	Properties	Applications
mPE 35	6.00	0.935	Metallocene, Hexene, High flow	Floats, Toys, Furniture
mPE 40	4.00	0.940	Metallocene, Hexene, Medium stiffness	Chemical tanks, Fuel tanks, Floats
HDPE	3.80	0.947	UV 15 stabilised, Very High stiffness	Big size fuel tanks, Chemical tanks for extreme applications like Sulphuric acid.
PAL 101	4.20	0.939	High Stiffness	Floats, Agriculture tanks, Big size tanks

Flame Retardant Powder

Typical applications includes defence products, Indoor products where its necessary to reduce fire damage.

Grade	MFI	Density	Properties	Applications
FR 435	4.50	0.936	Flame retardency V2.0 level as per UL94	Tanks, Bins ect

Antimicrobial powder

Antimicrobial powders are used to produce microbe free surfaces for products like tanks, bins, hospital furniture.

Grade	MFI	Density	Properties	Applications
Microgone	4.50	0.936	Butene	Tanks, Bins ect

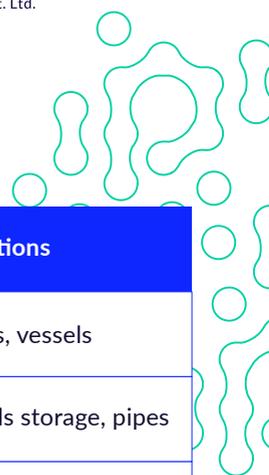




Rotolining Grade



Rotolining grades are suitable for coating columns, pipes, chemical vessels from inside. Its permanent solution to corrosion protection.



Grade	MFI	Density	Properties	Applications
R732	7.00	0.923	LLDPE based compound	Chemical pipes, vessels
RHDPE	3.80	0.946	Higher density	Highly corrosive liquids storage, pipes
PVDF	5.5	1.75		
HALAR	6.0-9.0	1.68	Good flow, Barrier resin	Valves, Tanks, Pipes

Flexible Grades

Phychem supplies material grades for applications requiring flexibility for applications like Traffic cone,

Grade	MFI	Density	Properties	Applications
Flexi 201			PE Based	Tanks, Cones, Bollards
EVA			EVA Based	Tanks, Cones, Bollards



Rotolining



Member of Association of
Asian Rotomolders, Star, India



Authorised Agent of



Our Global Clientele



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