

Uses and Applications

QUALITY MINERAL PRODUCTS ENRICHING OUR DAILY LIFE

Plastics	Advantages	Applications
Thermosets		
Unsaturated Polyester	Improves modulus Reduces warp and shrink	Marine, Automotive, Bath and Shower
Phenolic	Electric properties Dimensional stability, HDT	Appliances, Automotive
Ероху	Chemical & barrier resistance	Tank lings, coatings
SMC & BMC	Improves modulus, warp and shrink properties	Automotive, farm and recreational equipment
Thermoplastic		
PP, HDPE, Nylon, PBT, & others	Improved HDT, flexure modulus dielectric properties	Automotive, appliances, recreational products
RIM Polyurethane	Higher modulus, lower thermal expansion, warpage	Automotive, fenders, bumper facias, etc.
Foamed PP, HDPE, PS	Good nucleation, increases low temperature impact	Packaging, automotive
Mica/glass/woodfiber/talc plastic combinations	Dimensional stability, lower cost, higher HDT and modulus, lower warpage and shrinkage	Furniture, sports equipment, automotive and recreational equipment
Mica acoustical plastics	Improve acoustic properties, HDT, modulus, lower warpage and shrinkage	Automotive, farm & lawn equipment, motor housing



Fire resistant insulation

Phosphate bonded mica

Dry anti-stick agent

Caulks & sealants, PU, PB, silicone,

Porous silica

ероху



Uses and Applications			
Paints	Advantages	Applications	
Marine, epoxy, powder coatings	Reduces cracking, chalking, water penetration; lower vapor transmission; improves thixotropy, heat, UV and scrub resistance	Anticorrosive, primer, marine,	
Coatings			
Ероху	Improves chemical resistance, modulus; reduces cost	Tank linings	
Joint cement	Improves barrier properties; reduces cracking and shrinking; easier to sand	Construction	
Mold release	Adds lubricity; improves mold; release, lower co-efficient of friction	Slip & mold release compounds for automotive, plastic, and industrial	
Foundry coatings	Improves permeability, green strength, and HDT; reduces shrinkage	Refractory molds and cores	
Asbestos Substitute			
Cement	Dimensional stability, heat and freeze/thaw resistance	Cement sheets, pipes, and fire boards	
Welding rods	Low hydrogen generation at high temperatures	Industrial	
Brake linings	Improves friction, reduces heat transfer, water recovery	Brake industry, automotive, rail and motorcycles	
Foundry coatings	Improves permeability, green strength, and HDT; reduces shrinkage	Refractory molds and cores	
Other			
Mica paper	Improves electrical, heat, and arc suppression properties	Electrical insulation	
Fire extinguishers	Powder flow aide, prevents coagulation	Fire extinguisher industry	
Refractory bricks	Ligh weight, heat resistance	Refractory industry	
Sound & vibration damping SBR, EVA asphaltic	Improves acoustical properties, reduces vibration	Automotive	
Gaskets; latex, rubber and cellulose	Resistant to acids, heat, gas, oil; non-conductive; reduces shrinkage; improves modulus and tensile	Automotive and industrial	

Heat resistance, dimensional stability

High surface area, high absorbing heat

Lubricity, flat alignment, heat resistant

Reduces cracking, permeability improves

barrier, heat and chemical resistance

Fire proofing, acoustical property

improvement

Construction steel & pipe insulation

boards, construction industry

Rubber & roofing industry

Industrial

Catalysts, high purity glass, etc.

Fire & acoustic light weight and dense