

EPP ADVANCED POLYMER ALLOYS

Melt-Processible Elastomers™ that provide rubber-like soft touch with ease of processing in

- Automobiles
- Gaskets & seals
- Wire & cable
- Architectural products
- Tool grips
- Small appliances
- Computer peripherals



 **FERRO.**

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PRODUCT	TYPE	DESCRIPTION/BENEFITS	APPLICATION
Alcryn®	Melt-Processible Rubber™	Performs & feels most like vulcanized rubber, but processes like a thermoplastic; superior oil & fuel resistance; good chemical resistance; excellent weatherability; 105°C to -90°C temp range with exceptional low temp properties; tough; fastest TPE cycle time, easy to process, no need to dry, easily colorable; RF & heat weldable; 100% recyclable; excellent compatibility with PVC & TPU	Automotive; Architectural; Lawn & Garden; Tool Grips; Sheet; Extrusion; Electrical; Misc. Industrial Molding
	1000 Series	Excellent toughness & oil resistance; good fuel resistance; very rubbery; calenders well; 60–80 shore A; UL V-O capable; low gloss; black only	Black Extrusion Grade for thicker wall sections; Calendering; Blow Molding
	2000 Series	For thin wall & complex profiles; excellent properties; 50–95 shore A; UL V-O capable; very fast molding cycle times; black, natural, translucent, clear	Injection Molding & Extrusion High Flow Grade for thin wall sections & complex profiles; Overmolding
	3000 Series	Excellent toughness & oil resistance; good fuel resistance; calenders well; 55–75 shore A; UL V-O capable; low gloss; natural only	Natural Colorable Extrusion Grade for thicker wall sections; Calendering; Blow Molding
	4600 Series	Good all-around properties; value grade; UL V-O capable; 60–80 shore A; colorable & black	Extrusion only Grade for thin wall sections
	2100 Series	Very tough; good oil & fuel resistance; 60–80 shore A; UL V-O capable; black, natural, translucent	Overmolding Grade; Excellent flow
	2300	Cost-effective alternative to 2000 Series; for moderate to highly engineered applications; ideal where toughness & chemical resistance are important, but maximum rubber snap & cycle time are not; 60 shore A, 70A & 80A; colorable & black	Bonding: PVC; Injection Molding
Specialty Grades	Can be compounded for custom needs; translucent & clear	Can be compounded to meet VW-1 Flame rated, Non Halogen, Non Ophthalate; Colorable, Clear or Transparent.	
DuraGrip®	Thermoplastic Elastomer (TPE)	Versatile line of products for consumer & light industrial molding, overmolding, extrusion & co-ex applications; wide range of cost-effective TPE performance; very good rubber feel & snap; all products are RoHS & WEE compliant; ideal where continuous use environment max is 105°C (can spike to higher temps); easily customized for significant applications	Consumer Goods; Home & Garden; Housewares; Toys; Furniture; Misc. Industrial
	6000 Series	Excellent price/value product good for basic extrusion, especially sheet; low melt viscosity; no need to dry; FDA compliant grades available; UL V-O capable; 30–90 shore A; colorable & black	Bonding: PP, PE; Extrusion; Injection Molding; Calendering; Blow Molding
	6100 Series	Ideal for overmolding; UV stable grades available; 40–85 shore A; colorable, black, translucent	Bonding: ABS, PC, PC/ABS, Cellulosics, Isoplast, Clear COPE, Acrylics & Nylon 6, Nylon 6,6; Extrusion; Fine Extrusion; Injection Molding
	6200 Series	High rubber & superior elastomeric properties; no need to dry; very high flow in tools, extrudes well; excellent for sealing applications; UL V-O capable; FDA compliant; 00–90 shore A (stocking 20–70A); dry, matte look; colorable, black, translucent, clear	Bonding: PP, PE; Extrusion; Injection Molding; Calendering; Blow Molding
	6300 Series	Extrusion-specific, superior elastomeric properties; high melt strength for thin & fine profiles; no drying needed; good sealing performance; UL V-O capable; 50–90A; low gloss; black & natural	Bonding: PP, PE; Extrusion; Fine Extrusion; Calendering; Blow Molding
DuraMax™	Thermoplastic Vulcanizate (TPV)	Lower price TPE, more flexible & durable than FPVC with a longer use life, but not as elastic as Alcryn; outstanding fuel resistance; very good tension set, tensile & tear strength; good compression set; 60, 70, 80 shore A; colorable & black	Bonding: PVC; Extrusion; Injection Molding
DuraFlex™	Custom Elastomers	Custom durometers & properties using alloys of TPU, SEBS, PVC & other polymers to meet specific needs	Closures; Automotive Interiors & Convertible Tops; Latex Replacement; Printer Rollers; Film & Sheet; Textiles

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