

Alcryn

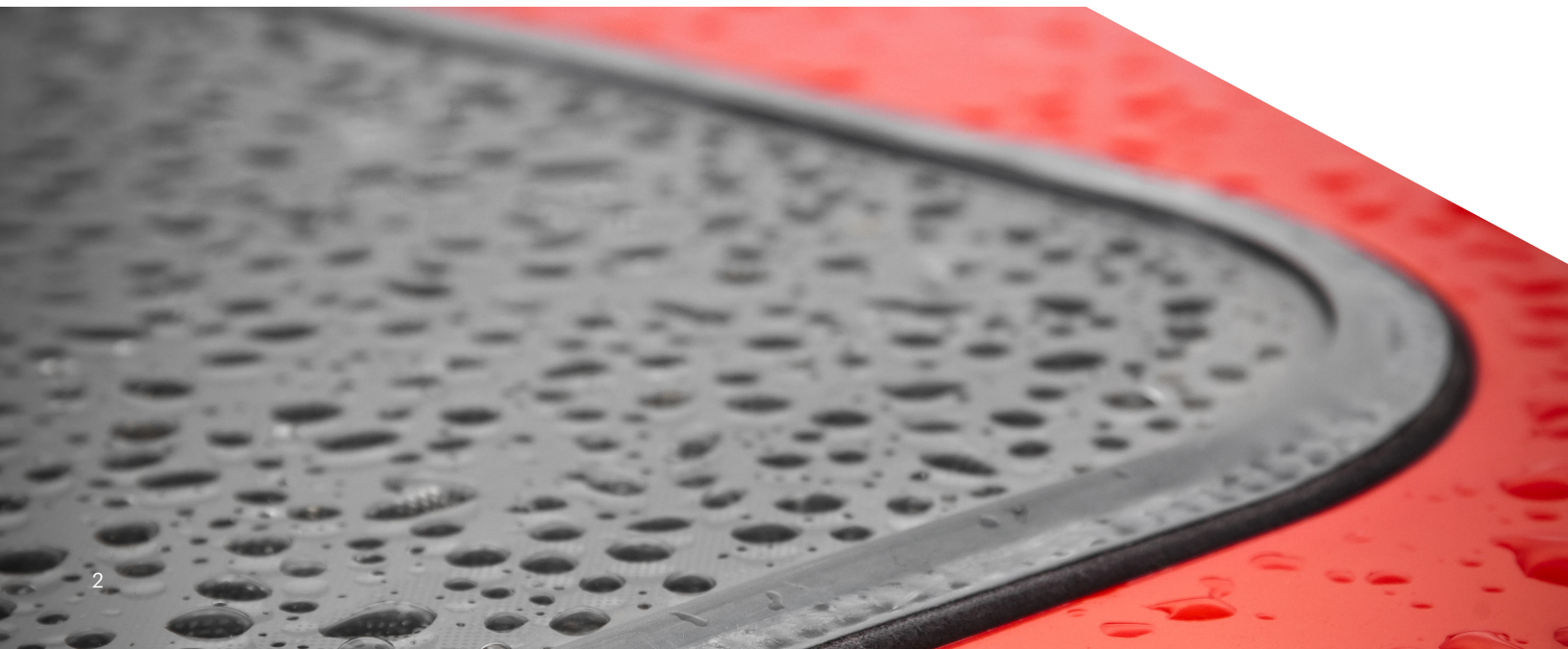
A specialized TPE that feels and performs like vulcanized rubber.



Product Selection Guide

Alcryn from LYB offers customers a unique and highly desirable combination of functional rubber properties and environmental resistance. Based on a partially cross-linked, chlorinated olefin alloy, this longstanding proprietary melt-processible rubber (MPR) is formulated to deliver key characteristics that allow applications to withstand harsh conditions without sacrificing the look, feel and overall performance that is expected of rubber.

Temperature Range			Compression Set	Applications
Product	Hardness	Brittleness (ASTMD746) to High Service Temperature (°C)	ASTM D395/ISO - Method B 22 Hrs @75F/22 Hrs @ 221F	
1000 & 3000 Series for Extrusion				
1060BK	62A	-51 to 90°C	15%/55%	Thick wall extrusion profiles & tubing
1070BK	72A	-53 to 90°C	15%/55%	Architectural bulb seals
1080BK	78A	-44 to 90°C	15%/55%	Commercial & residential glazing seals
3055NC	57A	-54 to 90°C	17%/65%	Wire & cable jacketing
3065NC	67A	-45 to 90°C	17%/69%	Calendared sheet for secondary
3075NC	76A	-30 to 90°C	23%/67%	containment bladders
2000 Series for Molding & Extrusion				
2060CL	60A	-	27%/69%	Thin wall extrusion & co-extrusion profiles
2060NC	59A	-85 to 90°C	13%/62%	Automotive window lace & seals
2070NC	68A	-85 to 90°C	16%/64%	Wire & cable jacketing
2080NC	76A	-76 to 90°C	17%/61%	Tubing
2090NC	88A	-	27%/74%	Tool handles
2060BK	59A	-87 to 90°C	13%/62%	Grips
2070BK	68A	-79 to 90°C	14%/64%	Seals & gaskets
2080BK	78A	-86 to 90°C	14%/62%	Automotive parts: antennas, overslam
2090BK	88A	-73 to 90°C	27%/74%	bumper cushions, A pillars, corner molds
2100 Series for Molding & Overmolding				
2160NC	59A	-66 to 90°C	18%/86%	Overmolding applications to PC, ABS, ASA, PC/ABS Seals: cowl vent grills and pillars
2165TR	66A	-50 to 90°C	34%/83%	
2170NC	70A	-60 to 90°C	18%/88%	
2180NC	81A	-58 to 90°C	22%/89%	
2150BK	51A	-69 to 90°C	21%/89%	
2160BK	60A	-68 to 90°C	18%/86%	
2170BK	69A	-59 to 90°C	19%/89%	
2180BK	80A	-50 to 90°C	22%/88%	





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Alcryn is a drop-in solution that can replace materials such as vulcanized rubbers, thermoplastic elastomers (TPEs) and other flexible thermoplastics across a variety of applications like window & door seals in your home and car, soft handles and grips, molded seals and gaskets along with wire and cable tubing and jackets. Additionally, this material is designed for the manufacture of rubber parts with high productivity on standard plastic extrusion equipment and can be co-extruded and overmolded.

Temperature Range			Compression Set	
Product	Hardness	Brittleness (ASTMD746) to High	ASTM D395/ISO - Method B	
		Service Temperature (°C)	22 Hrs @75F/22 Hrs @ 221F	Applications
2200 Series for Molding & Overmolding				
2250UT	45A	-91 to 90°C	15%/76%	Cowl grills, A pillars
2250BK	46A	-91 to 90°C	14%/52%	
2265UT	62A	-91 to 90°C	12%/54%	
4600 Series for Extrusion				
4660NC	57A	-69 to 90°C	16%/72%	Medium wall extrusion profiles & tubing Architectural bulb seals Wire & cable jacketing
4670NC	70A	-60 to 90°C	21%/74%	
4680NC	78A	-54 to 90°C	25%/74%	
4660BK	57A	-74 to 90°C	16%/72%	
4670BK	70A	-62 to 90°C	20%/75%	
4680BK	79A	-58 to 90°C	24%/75%	
7000 Series - Specialty Grades				
7083	61A	-70 to 90°C	13%/62%	Reduced die drool in thin wall extrusion applications
7134NC	71A	-54 to 90°C	17%/69%	Injection molding grade for gasoline fuel resistance
7227	66A	-43 to 90°C	19%/57%	Wire & cable jacketing for improved low temperature & non phalate plasticizer system
7665NC	74A	-73 to 90°C	16%/66%	PVC modifier for slush molded instrument panel skins
7885NC	82A	-68 to 90°C	16%/70%	TPU modifier for slush molded instrument panel skins
7930BK	86A	-77 to 90°C	18%/72%	Jacketing for EV charging stations
7930NC	86A	-78 to 90°C	18%/72%	Jacketing for coiled communications cable

About us

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