

ARCEL® Resin Product Grades

730	ARCEL 730 resin is our highest volume product, primarily because of its versatility. This product has the best all-around performance for packaging applications, multiple drop protection, cracking resistance, bead size, density range, etc. The typical molded part density range is from 1.25 pcf to 7+ pcf.
LD	Ideal for low target part densities, ARCEL LD resin can be used to achieve molded part densities lower than 1.0 pcf (16 g/L). In addition, this product has lower pentane content and offers higher product yield than ARCEL 730 resin. This product helps our customers meet increasingly aggressive cost and sustainability goals.
ULV	ARCEL ULV resin was developed to meet the needs of our customers who do not have access to refrigerated storage and those who want to further reduce their pentane and VOC emissions. With single pass expansion, this product is capable of achieving molded part densities as low as 1.35 pcf. As the ARCEL resin grade with the lowest level of blowing agent, this product can maximize your yield.
640	ARCEL 640 resin was designed for energy absorber applications, such as automotive. This product has improved impact properties, and is well suited for applications requiring improved durability and crack resistance. The minimum achievable molded part density is typically 1.7 pcf.

ARCEL Resin Grade	Typical Pentane Content (Weight %)	Average Unexpanded Bead Size, mm	Minimum Achievable Pre-Expanded Density, PCF		
			Single Pass Batch Expansion	Single Pass Continuous Expansion	Double Pass Expansion
730	8.8	1.25	1.10	1.15	0.85
LD	7.5	1.45	0.94	1.05	0.80
ULV	5.5	1.45	1.25	1.45	0.95
640	8.8	1.15	1.50	1.85	1.40

All ARCEL resin products are typically packed in 1000-pound (454 kg) cartons.

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