

Resin RFQ

One row per grade. Give the test condition and method with every spec value, and a range you can accept. Free template from ResinBridge, usable with any supplier.

Company:

Email / phone:

Terms (delivered or FOB):

Contract length:

Sourcing preference (domestic only, domestic preferred, import OK):

Contact name:

Ship-to city, state or province:

Target start date:

Quote needed by:

Prime only, or wide-spec OK? Sample or trial lot needed?

#	Grade you run now (any supplier)	Description (resin, filler %, color)	Key specs: value range + test condition + method	Annual lb	Release lb	Packaging	Documents with each lot	Equivalent OK?
Ex.	The impact copolymer PP grade on your current approval	PP impact copolymer, natural, no filler	MFR 18 to 22 g/10 min, 230°C / 446°F, 2.16 kg, ASTM D1238; notched Izod at least 80 J/m (1.5 ft-lb/in), ASTM D256	480,000	40,000	Bulk truck	COA with MFR each lot; FDA letter (21 CFR 177.1520)	Yes after a trial

Gray row is an example. Data sheet values are typical, not specifications; the COA shows the measured value for each lot. Send to quotes@resinbridge.com or resinbridge.com/rfq. U.S. and Canada only.

Values worth checking on the COA

Resin family	Values to check	Common test methods	Why it matters
Polyethylene (HDPE, LDPE, LLDPE)	Melt index; density	Melt index: ASTM D1238 at 190°C / 374°F, 2.16 kg (HLMI at 21.6 kg for low-flow grades). Density: ASTM D792 or D1505	Melt index sets flow and toughness; density sets stiffness and stress-crack behavior
Polypropylene	Melt flow rate	ASTM D1238 at 230°C / 446°F, 2.16 kg	Flow, fill and impact; lot drift shows up as short shots or flash
EVA	Vinyl acetate content; melt index	VA: ASTM D5594 (FTIR) or the producer method. MI: ASTM D1238 at 190°C / 374°F, 2.16 kg	VA sets softness, seal and adhesion; MI sets flow and viscosity
Nylon (PA6, PA66)	Viscosity (RV or VN); moisture as shipped	RV: ASTM D789. VN: ISO 307. Moisture: Karl Fischer or a moisture analyzer	Viscosity sets flow and strength; moisture above the molding limit causes splay and brittle parts
PET and PBT	Intrinsic viscosity (PET); moisture	IV: ASTM D4603 or the producer method. Moisture: Karl Fischer or a moisture analyzer	IV sets strength and process fit; wet polyester breaks down in the barrel
Polycarbonate	Melt flow rate	ASTM D1238 at 300°C / 572°F, 1.2 kg	Flow for thin walls vs. toughness
ABS	Melt flow rate	ASTM D1238; check the condition (220°C / 428°F, 10 kg and 230°C / 446°F, 3.8 kg are both common)	Flow and impact balance
Glass or mineral filled grades	Filler content; base resin flow or viscosity	Filler: ash content by ASTM D5630 or the producer method	Filler level sets stiffness, shrinkage and warp
Color matched grades	Color vs. the approved standard	Visual or instrument color check against the master	Avoids rejected parts on appearance

Documents to ask for

Document	What it is	When to ask for it
COA (certificate of analysis)	Measured values for the specific lot shipped	Every lot. Name the values you need on it
TDS (technical data sheet)	Typical properties for the grade; not a specification	At quote time, for each grade
SDS (safety data sheet)	Hazard, handling and storage information	Before the first delivery, and when it is revised
FDA food-contact letter	The producer statement on which 21 CFR sections the exact grade meets, and any conditions of use	Any part or film that touches food
Prop 65, REACH, RoHS statements	Producer statements on listed substances	When your customer or market requires them
UL yellow card (UL iQ listing)	UL 94 flame ratings and RTI by color and thickness for a listed grade	Electrical parts, or any part whose approval names a UL listed grade
Medical or USP Class VI data	Producer biocompatibility data and medical use policy	Medical devices and packaging; many standard grades are sold as not for medical use
Change notification agreement	The supplier commits to tell you before a grade, site or formula change	Approved or validated parts

General guidance; confirm against the data sheet for the exact grade. Excel version with drop-down lists: resinbridge.com/charts/resinbridge-resin-rfq-template.xlsx