CHEMATE TECHNOLOGY CO., LTD
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Whatsapp/Wechat: +86 186 2483 2876
ADD: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

Product Catalogue

| PET Resin Bottle Grade

Water bottles / Carbonated beverages / Edible oil
Hot-fill beverages / Large and transparent containers



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PET Resin Supply from Chemate Group

Chemate Group is a China-based distributor and exporter of polymer resins. We source PET resin through manufacturer channels and coordinate material enquiries, commercial offers and export shipments for overseas preform, bottle and packaging producers.

Our bottle-grade portfolio covers JADE, Wankai, Yisheng, China Resources, Sinopec Yizheng and Tunhe. We help buyers compare available grade options against their product requirements and current material specification. Exact grade availability is confirmed for each enquiry.

Portfolio at a Glance

Brand coverage	Application coverage
JADE, Wankai, Yisheng, China Resources, Sinopec Yizheng, Tunhe	Drinking water, CSD, edible oil and hot-fill packaging

Work with one export contact to compare manufacturer options and coordinate your order. The selected brand, complete grade and supply terms are confirmed in the offer.

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Bottle Grade Product Portfolio

Use the matrix to shortlist grades for an enquiry. IV values are in dL/g. Listed applications are screening references; final selection depends on current manufacturer guidance and qualification of the intended package.

Water Bottle Grade

Grade	IV (dL/g)	Brand
CZ-302	0.80	JADE
CZ-302A	0.80	JADE
CZ-302L	0.76 ± 0.02	JADE
WK-801	0.800 ± 0.015	Wankai
WK-801L	0.770 ± 0.015	Wankai
YS-W01	0.800 ± 0.015	Yisheng
CR-8816	0.806	China Resources
CR-8816L	0.76± 0.02	China Resources
BG80	0.80	Sinopec Yizheng
TH102	0.800 ± 0.015	Tunhe

CSD Bottle Grade

Grade	IV (dL/g)	Brand
CZ-328	0.850 ± 0.02	JADE
CZ-328A	0.850 ± 0.02	JADE
WK-851	0.880 ± 0.015	Wankai
WK-881	0.870 ± 0.015	Wankai
YS-C01	0.875 ± 0.015	Yisheng
CR-8828	0.850 ± 0.02	China Resources
CR-8828F	0.850 ± 0.02	China Resources
BG85	0.869	Sinopec Yizheng
BG85H	0.869	Sinopec Yizheng
TH104	0.870 ± 0.015	Tunhe

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Hot-filling Bottle Grade

Grade	IV (dL/g)	Brand
CZ-333	0.850 ± 0.02	JADE
WK-811	0.790 ± 0.015	Wankai
WK-811L	0.760 ± 0.015	Wankai
YS-H01	0.780 ± 0.015	Yisheng
CR-8839	0.800 ± 0.02	China Resources
CR-8839T	0.800 ± 0.02	China Resources
BG801	0.78	Sinopec Yizheng
TH105	0.750 ± 0.015	Tunhe

Edible Oil Bottle Grade

Grade	IV (dL/g)	Brand
CZ-318	0.850 ± 0.02	JADE
WK-821	0.830 ± 0.015	Wankai
YS-Y01	0.830 ± 0.015	Yisheng
CR-8863	0.812	China Resources
BG802	0.83	Sinopec Yizheng
TH102C	0.840 ± 0.015	Tunhe

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* Marked specifications require confirmation against the current manufacturer TDS. Application groups are for initial selection and do not imply direct grade equivalence.

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Selecting a Grade for Your Packaging

Begin with the finished package and filling process. Bottle capacity alone does not define a material requirement. The examples below point to application families and do not establish interchangeable grades.

Packaging project	Information to share	Main evaluation focus
Drinking water bottles	Capacity, preform weight, neck finish and current resin	Preform appearance, relevant AA and sensory assessment, bottle handling
Carbonated beverage bottles	Carbonation requirements, bottle design, closure and storage conditions	Pressure-related package tests, base performance and closure sealing
Edible oil bottles	Actual fill weight, carrying features, closure and transport conditions	Filled-bottle handling, leakage, drop and stacking requirements
Hot-fill beverage bottles	Fill temperature profile, hold time, heat-setting and cooling process	Bottle dimensional stability, capacity and closure performance through the cycle
Large or transparent containers	Forming route, contents, size, carrying method and intended service	Appearance, dimensions, handling loads and application compatibility

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Reading IV Correctly

Intrinsic viscosity is one selection parameter. Compare the complete grade specification and the stated test method before interpreting small numerical differences. A matching IV does not establish identical processing behaviour or finished-bottle performance.

Moving from Shortlist to Approval

First confirm the current TDS and material identity. Then agree a line trial with defined preform and finished-package acceptance criteria. Retain the resin batch, production settings and test results as the reference for subsequent orders.

Hot-fill suitability cannot be inferred from IV or resin melting temperature alone. Large-container suitability does not automatically cover repeated washing or returnable service. Review the actual use conditions with the responsible packaging team.

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Packing and Export Order Support

Our standard quotation basis is container supply. Confirm the producer packing, loading arrangement and destination requirements for the selected grade before order confirmation.

Item	Standard quotation basis
Packing	1,100 kg jumbo bags
20-foot FCL loading	22 metric tons
Bag count at this loading	20 bags x 1,100 kg = 22,000 kg
Minimum order quantity	1 x 20-foot FCL
Shipment planning	Destination port, freight option and schedule confirmed in the offer
Commercial terms	Price basis, payment and shipment terms agreed for each order

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Documents to Agree with Your Order

Document	Purpose and scope
Manufacturer TDS	Grade properties, specification and relevant application guidance
Batch COA	Reported results for the identified shipment batch
SDS	Safety, handling and storage information for the supplied material
Commercial invoice and packing list	Agreed goods description, quantity and shipment packing
Transport document	Bill of lading or other document appropriate to the shipment
Additional documents	Certificate of origin, relevant food-contact documentation or third-party inspection, where requested and agreed

Receiving and Storage

Check the grade, bag condition and batch identification on receipt. Keep material dry and protected from contamination, and follow current manufacturer guidance for storage and preparation before processing. A shipping moisture limit is not a substitute for a validated drying procedure.

Packing and loading may vary with the original producer pack, selected grade and transport restrictions. Additional documentation and inspections are subject to scope, availability, timing and agreement.

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Request Your PET Resin Quotation

Send your required grade or application to Chemate Group. Include the details below so the offer addresses the material, packing and shipment requirements together.

Information for a Complete Enquiry

Material Preferred manufacturer and complete grade, or your current resin and intended application.

Packaging project Bottle capacity, preform weight, neck finish, filling route and any customer-approved specification.

Order Quantity in metric tons, expected order frequency and required shipment period.

Destination Destination country and port, with the requested price basis or shipment term.

Documents Required TDS, COA, SDS, food-contact documents and any special inspection scope.

From Enquiry to Shipment

1 Confirm the material and project requirements.
2 Review the quotation, current technical information and packing.
3 Complete any required trial or customer approval.
4 Confirm the order and agreed shipment documents.
5 Arrange dispatch and retain batch references for repeat purchasing.

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Product range and reference values compiled from the grade matrix supplied for this catalogue and Chemate Group product information. Current manufacturer technical documents and the agreed sales specification take precedence. Availability, price, delivery and document scope are confirmed in the offer. The buyer should qualify the material and finished package for the intended use.