



Arakawa Chemical's FDA Compliant Rosin Esters

FDA 21 CFR 172.615 (Chewing Gum Base) Compliant Grades

27-MAR-2014

Product	Item	Type	Appearance	Color (Gardner)	Acid Value	Softening Point (°C,R&B)	Characteristics	Applications
Ester Gum AA-G		Rosin Ester	Pale yellowish flake	WW or better (USDA)	7 max.	82 min	Deodorized natural resin Good compatibility with natural/synthetic rubbers, EVA	For chewing gum (Approved food additive by Ministry) Hot melt adhesive, Oil varnish, Enamel, Lacquer, Printing ink, Emulsion paint
Ester Gum GW-G		Rosin Ester	Pale yellowish flake	WW or better (USDA)	12 max.	81-91	Deodorized natural resin Good compatibility with natural/synthetic rubbers, EVA	For chewing gum (Approved food additive by Ministry) Hot melt adhesive, Oil varnish, Enamel, Lacquer, Printing ink, Emulsion paint
Ester Gum GW-H		Partially Hydrogenated Rosin Ester	Pale yellowish flake	K or better (USDA)	12 max.	73-83	Deodorized natural resin Good compatibility with natural/synthetic rubbers, EVA	For chewing gum (Approved food additive by Ministry) Hot melt adhesive, Oil varnish, Enamel, Lacquer, Printing ink, Emulsion paint
Ester Gum HE		Partially Hydrogenated Rosin Ester	Pale yellowish flake	K or better (USDA)	7 max.	81-87	Deodorized natural resin Good compatibility with natural/synthetic rubbers, EVA	For chewing gum (Approved food additive by Ministry) Hot melt adhesive, Oil varnish, Enamel, Lacquer, Printing ink, Emulsion paint

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