

Aromatic Petroleum Resin / Nisseki Neopolymer[®]

Nisseki Neopolymer is an aromatic petroleum resin used in a wide range of fields, such as paints, printing inks, adhesives, agglutinants, rubber tackifier, and asphalt tackifier.

※ Nisseki Neopolymer[®] is a registered trademark of ENEOS Corporation.

Packaging	Flexible Container (500kg), Paper Bag(25kg)
Main Application	Paint Printing ink Rubber compound agents Adhesive, agglutinant Traffic paint

∨ (1)Unmodified Type Grade L-90	∨ (1)Unmodified Type Grade 120	∨ (1)Unmodified Type Grade 130	∨ (1)Unmodified Type Grade 140	∨ (1)Unmodified Type Grade 150
∨ (1)Unmodified Type Grade 170S	∨ (2)Premium Series Grade 160	∨ (2)Premium Series Grade E-100	∨ (2)Premium Series Grade E-130	∨ (2)Premium Series Grade M-1
∨ (2)Premium Series Grade S	∨ (2)Premium Series Grade S100	∨ (2)Premium Series Grade 120S	∨ (2)Premium Series Grade 130S	∨ (2)Premium Series Grade 120P

(1) Unmodified Type Grade L-90 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	4	JXE method
Softening Point	°C	95	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,000	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(1) Unmodified Type Grade 120 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	3	JXE method
Softening Point	°C	120	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,400	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(1) Unmodified Type Grade 130 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	3	JXE method
Softening Point	°C	130	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,600	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(1) Unmodified Type Grade 140 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	2	JXE method
Softening Point	°C	143	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	2,100	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(1) Unmodified Type Grade 150 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow flake	JXE method
Color (Solution) Gardner	-	2	JXE method
Softening Point	°C	154	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	2,300	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(1) Unmodified Type Grade 170S Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow flake	JXE method
Color (Solution) Gardner	-	4	JXE method
Softening Point	°C	160	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	20	JXE method
Molecular Weight	-	2,200	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade 160 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Yellowish orange flake	JXE method
Color (Solution) Gardner	-	6	JXE method
Softening Point	°C	165	JXE method
Acid Value	mgKOH/g	30	JXE method
Bromine Number	g/100g	20	JXE method
Molecular Weight	-	2,500	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade E-100 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Yellowish brown flake	JXE method
Color (Solution) Gardner	-	5	JXE method
Softening Point	°C	95	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	700	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade E-130 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale brown flake	JXE method
Color (Solution) Gardner	-	5	JXE method
Softening Point	°C	125	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	900	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade M-1 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale brown flake	JXE method
Color (Solution) Gardner	-	9	JXE method
Softening Point	°C	135	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	40	JXE method
Molecular Weight	-	1,350	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade S Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Melt) Gardner	-	8	JXE method
Softening Point	°C	92	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,100	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade S100 Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Melt) Gardner	-	6	JXE method
Softening Point	°C	102	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,200	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade 120S Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	1	JXE method
Softening Point	°C	120	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,400	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade 130S Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Melt) Gardner	-	8	JXE method
Softening Point	°C	128	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,300	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-

(2) Premium Series Grade 120P Typical properties

Item	Units	Representative Values	Test method
Appearance	-	Pale yellow pellet	JXE method
Color (Solution) Gardner	-	2	JXE method
Softening Point	°C	121	JXE method
Acid Value	mgKOH/g	Not more than 0.1	JIS method
Bromine Number	g/100g	15	JXE method
Molecular Weight	-	1,250	JXE method
Industrial Safety and Health Law Enforcement Ordinance 18-2, Appendix 9 Hazardous Materials Requiring Notification	-	N/A	-
PRTR Type 1	-	N/A	-
PRTR Type 2	-	N/A	-