



國喬石油化學股份有限公司

GRAND PACIFIC PETROCHEMICAL CORPORATION

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Certificate of Composition

To whom it may concern :

We, GPPC, hereby knowledgeablely certify that our product (listed below)

ABS D-100、D-100N、D-120、D-120A、D-120N、D-120S、D-120F、D120V、D-150、D-150HF、D-150K、
D-180、D-650、D-670、D-450、D-470、D-957。 does not contain the following chemicals:

1. PBDEs、PBBs
2. OZONE DEPLETING CHEMICALS(CFC's & HCFC's)
3. CHLORINATED PARAFFIN (C10-C13)
4. POLYVINYL CHLORIDE(PVC)
5. MERCURY(Hg) AND ITS COMPOUNDS,
6. LEAD(Pb) AND ITS COMPOUNDS,
7. CADMIUM(Cd)AND ITS COMPOUNDS,
8. TIN(Sn) AND ITS COMPOUNDS,
9. ARSENIC (As) AND ITS COMPOUNDS,
10. ANTIMONY(Sb) AND ITS COMPOUNDS,
11. SELENIUM(Se) AND ITS COMPOUNDS,
12. BARIUM(Ba) AND ITS COMPOUNDS,
13. COBALT(Co) AND ITS COMPOUNDS,
14. NICKEL(Ni) AND ITS COMPOUNDS,
15. CHROMIUM(Cr) VI AND ITS COMPOUNDS
16. ORGANIC TIN COMPOUNDS
17. AZO COMPOUNDS
18. POLYCHLORINATED BIPHENYLS (PCBs) AND PCTs、PCN、PCP
19. POLYCHLORINATED NAPHTHALENE
20. ASBESTOS
21. BHT (2,6-Di-tert-butyl-4-methylphenol)
22. N.R. LATEX
23. PAHs (List 18 environmental relevant PAHs as defined by US EPA)
24. PFOS、PFOA
25. DEHP、DBP、BBP、DINP、DIDP、DNOP、DMEP、DNPP
26. HALOGENATED POLYMERS
27. BISPHENOL-A (BPA)、Nonylphenol (NP)
28. Dimethylfumarate (DMF)
29. Di-(N-Hexyl) Phthalate (DnHP)
30. Red Phosphorus
31. PFOA and its compounds, PFOS and its compounds, PFAS and its compounds (FKM and FFKM、Polymer Processing Additives、Fluoroplastic Products、PTFE and PTFE Compounds)
32. Phthalates

WITH REGARD TO COMPOSITION OF ABOVE GRADE, THEY CAN COMPLY WITH THE DIRECTIVES OF RoHS(2011/65/EU), 76/769/EC, SONY(SS-00259)

SINCERELY YOURS,



THIS STATEMENT IS BASED ON OUR CURRENT LEVEL OF KNOWLEDGE AND COVERS THE ABOVE RESINS AS SUPPLIED BY GRAND PACIFIC PETROCHEMICAL CORPORATION AT THE DATE OF ISSUE. SINCE CONDITIONS OF USE ARE OUTSIDE GRAND PACIFIC PETROCHEMICAL CORPORATION'S CONTROL, GRAND PACIFIC PETROCHEMICAL CORP MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.