



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 HEREBY CERTIFY THAT THE GPPC ABS RESIN(LISTED HERE BELOW) PRODUCED BY GRAND PACIFIC PETROCHEMICAL CORPORATION

FR-ABS: D-1000, D-1000A, D-1000S

CONFORMS TO THE REQUIREMENT THAT NO CHEMICALS AS FOLLOWING ARE ADDED:

1. PBBEs (POLY BROMO BISPHENYL ETHERS)
2. PBBs(POLY BROMO BISPHENYLS)
3. OZONE DEPLETING CHEMICALS(CFS's & HCFC's)
4. CHLORINATED PARAFFIN (C10-C13)
5. POLYVINYL CHLORIDE(PVC), PCB
6. MERCURY(Hg) AND ITS COMPOUNDS,
7. LEAD(Pb) AND ITS COMPOUNDS,
8. CADMIUM(Cd)AND ITS COMPOUNDS,
9. CHROMIUM(Cr) AND ITS COMPOUNDS,
10. ARSENIC(As) AND ITS COMPOUNDS,
11. SELENIUM(Se) AND ITS COMPOUNDS,
12. BARIUM(Ba) AND ITS COMPOUNDS,
13. CHROMIUM(Cr) VI AND ITS COMPOUNDS
14. BERYLIUM(Be) AND ITS COMPOUNDS,
15. ORGANIC TIN COMPOUNDS
16. POLYCHLORINATED IPHENYLS(PCB's) AND TERPHENYLS(PCT's)
17. POLY NAPHTHALENES
18. AZO COMPOUNDS
19. POLYCHLORINATED BIPHENYL
20. POLYCHLORINATED NAPHTHALENE
21. ASBESTOS
22. FCB/PCT
23. BHT (2,6-Di-tert-butyl-4-methylphenol)
24. DEHP、tDBP、BBP、DINP、DIDP、DNOP、DMEP、DNPP
25. PAHs (List 18 environmental relevant PAHs as defined by US EPA)
26. PFOA, PFOS, EPS
27. Bisphenol-A (BPA) Nonylphenol (NP)
28. Dimethylfumarate (DMF)
29. Red Phosphorus
30. PFOA and its compounds, PFOS and its compounds, PFAS and its compounds (FKM and FFKM、Polymer Processing Additives、Fluoroplastic Products、PTFE and PTFE Compounds)
31. Phthalates

WITH REGARD TO COMPOSITION OF ABOVE GRADE, THEY CAN COMPLY WITH THE DIRECTIVES OF RoHS(2002/95/EC), 76/769/EC, SONY(SS-00259)

SINCERELY YOURS,

R&D DEPT



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.