

# List of all materials known as Plastic

Here's a more comprehensive list of plastics, including both commonly used and specialized types, along with their chemical names and abbreviations:

## 1. Polyethylene (PE)

- High-Density Polyethylene (HDPE)
- Low-Density Polyethylene (LDPE)
- Linear Low-Density Polyethylene (LLDPE)
- Ultra-High-Molecular-Weight Polyethylene (UHMWPE)

## 2. Polypropylene (PP)

## 3. Polyethylene Terephthalate (PET or PETE)

## 4. Polyvinyl Chloride (PVC)

- Unplasticized PVC (uPVC)
- Plasticized PVC (pPVC)

## 5. Polystyrene (PS)

- General-Purpose Polystyrene (GPPS)
- High-Impact Polystyrene (HIPS)
- Expanded Polystyrene (EPS)
- Extruded Polystyrene (XPS)

## 6. Acrylonitrile Butadiene Styrene (ABS)

## 7. Polyamide (PA or Nylon)

- Nylon 6
- Nylon 6,6
- Nylon 11
- Nylon 12

8. Polymethyl Methacrylate (PMMA)

- Also known as Acrylic

9. Polycarbonate (PC)

10. Polyoxymethylene (POM)

- Also known as Acetal or Delrin

**11. Polyurethane (PU)**

12. Polylactic Acid (PLA)

13. Polyvinylidene Fluoride (PVDF)

14. Polytetrafluoroethylene (PTFE)

- Also known as Teflon

15. Polybutylene Terephthalate (PBT)

**16. Ethylene Vinyl Acetate (EVA)**

17. Polyetheretherketone (PEEK)

18. Polyphenylene Oxide (PPO)

19. Polyphenylene Sulfide (PPS)

20. Styrene-Acrylonitrile (SAN)

21. Ethylene Propylene Diene Monomer (EPDM)

- Often used as a synthetic rubber

22. Chlorinated Polyvinyl Chloride (CPVC)

23. Polyvinyl Alcohol (PVA or PVOH)

24. Ethylene Vinyl Alcohol (EVOH)

25. Polyimide (PI)

26. Polyetherimide (PEI)

27. Liquid Crystal Polymer (LCP)

28. Polyethylene Naphthalate (PEN)

29. Poly(ethylene-co-vinyl acetate) (PEVA)

30. Polyamide-imide (PAI)

31. Poly(butylene adipate-co-terephthalate) (PBAT)

32. Polycaprolactone (PCL)

33. Polyethylene-co-hexene (PEH)

34. Polyvinyl Acetate (PVAc)

35. Polysulfone (PSU)

36. Polyethersulfone (PES)

37. Polyacrylonitrile (PAN)

38. Polychlorotrifluoroethylene (PCTFE)

39. Polydicyclopentadiene (PDCPD)

40. Polysiloxane (Silicone)

41. Polybenzimidazole (PBI)

42. Polyamide-12 (PA12)

43. Polyvinyl Formal (PVF)

44. Polybenzoxazine (PBO)

45. Polyoxymethylene Copolymer (POM-C)

46. Polyisobutylene (PIB)

47. Polyanhydride

48. Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS)

49. Polyacetal (Polyformaldehyde)

50. Polycyclohexylene Dimethylene Terephthalate (PCT)

51. Polyketone (PK)

- 52. Polyhydroxyalkanoate (PHA)
- 53. Polyglycolide (PGA)
- 54. Polythiophene (PTh)
- 55. Polybenzimidazole (PBI)
- 56. Polybenzoxazine (PBZ)
- 57. Polyvinyl Pyrrolidone (PVP)
- 58. Polyurethane Dispersion (PUD)
- 59. Polylactide-co-glycolide (PLGA)
- 60. Polytetramethylene Ether Glycol (PTMEG)
- 61. Polybutadiene (PBD)
- 62. Polyacrylic Acid (PAA)
- 63. Polybenzimidazole (PBI)
- 64. Polyquinoline
- 65. Polycarbosilane
- 66. Polytrimethylene Terephthalate (PTT)
- 67. Polycarbonate/Polyester Blends (PC/PET)

68. Polycarbonate/Acrylate Butadiene Styrene (PC/ABS)

69. Polyalkylene Oxide

70. Polycycloolefin (PCO)

71. Polyphenylurethane (PPU)

72. Polyvinyl Butyral (PVB)

73. Polycyclopentane

74. Polysulfide Rubber (PSR)

75. Polybenzothiazole (PBT)

76. Polyvinyl Methyl Ether (PVME)