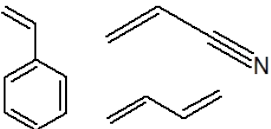
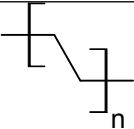
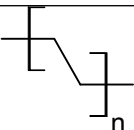
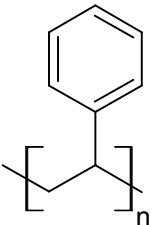
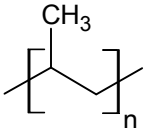
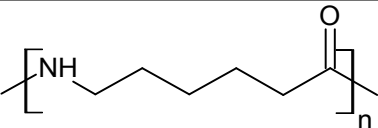
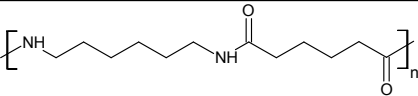
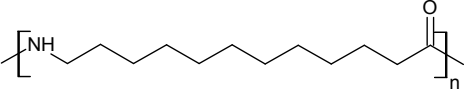
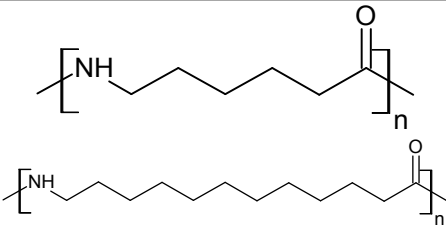
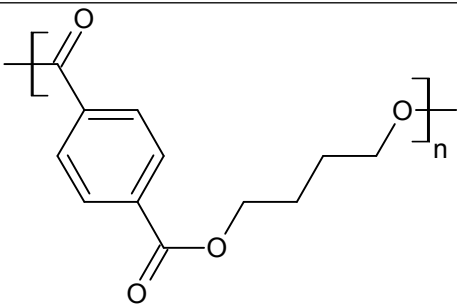
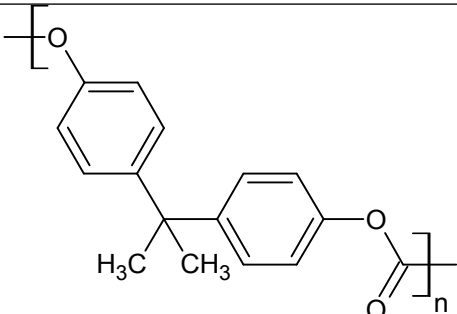
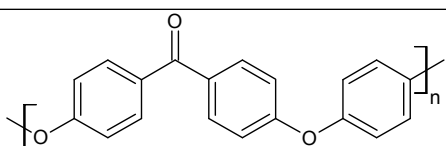
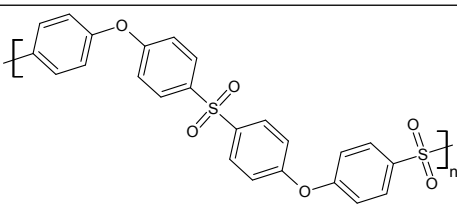
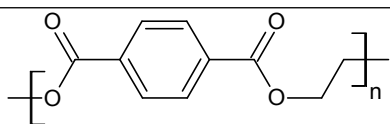
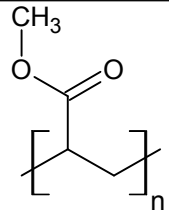
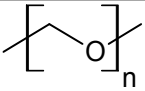
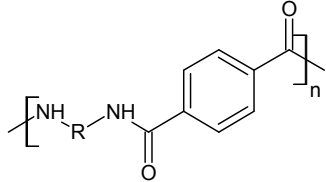
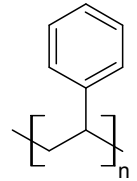
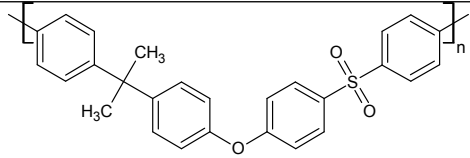
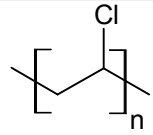
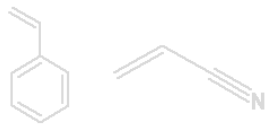


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Table List of investigated polymers with structural formula, abbreviation, producer, density* and glass transition temperatures (T_g)#; *experimentally determined, #manufacture's data *-granules

ABS Acrylonitrile butadiene styrene	A. Schulman GmbH, Kerpen Germany		Density: $1.053 \text{ g cm}^{-3} \pm 0.9 \%$ T_g : 110°C
HDPE High-density polyethylene	A. Schulman GmbH, Kerpen Germany		Density: $0.905 \text{ g cm}^{-3} \pm 1.4 \%$ T_g : -70°C
LDPE Low-density polyethylene	A. Schulman GmbH, Kerpen Germany		Density: $0.8733 \text{ g cm}^{-3} \pm 0.2 \%$ T_g : -100°C
HIPS High-impact polystyrene (Polystyrene with 4-12 % polybutadiene)	A. Schulman GmbH, Kerpen Germany		Density: $1.019 \text{ g cm}^{-3} \pm 0.2 \%$ T_g : 89°C
PP Polypropylene	A. Schulman GmbH, Kerpen Germany		Density: $0.848 \text{ g cm}^{-3} \pm 1.3 \%$ T_g : $-10-0^\circ \text{C}$
PA 6* Polyamide 6 <i>Caprolactam</i>	EMS-CHEMIE AG, Domat/ Ems Switzer-land		Density: $1.155 \text{ g cm}^{-3} \pm 0.1 \%$ T_g : $50-60^\circ \text{C}$
PA 66* Polyamid 6	A. Schulman GmbH, Kerpen Germany		Density: $1.13 \text{ g cm}^{-3} \pm 0.9 \%$ T_g : $50-60^\circ \text{C}$
PA 12 Polyamide 12 <i>Laurinlactam</i>	EMS-CHEMIE AG, Domat/Ems Switzerland		Density: $1.011 \text{ g cm}^{-3} \pm 0.4 \%$ T_g : 37°C

PA 6/12 Polyamide 6/12 <i>Caprolactam-</i> <i>Laurinlactam</i>	EMS-CHEMIE AG, Domat/Ems Switzerland		Density: $1.064 \text{ g cm}^{-1} \pm 0.1 \%$ $T_G: 46 \text{ }^\circ\text{C}$
PBT Polybutylene terephthalate	BASF, Ludwigshafen, Germany		Density: $1.275 \text{ g cm}^{-1} \pm 0.9 \%$ $T_G: 47 \text{ }^\circ\text{C}$
PC Polycarbonate	A. Schulman GmbH, Kerpen Germany		Density: $1.377 \text{ g cm}^{-1} \pm 0.4 \%$ $T_G: 147 \text{ }^\circ\text{C}$
PEEK Polyether ether ketone	Vitrex Polymer Solutions, Hofheim, Germany		Density: $1.293 \text{ g cm}^{-1} \pm 0.5 \%$ $T_G: 142 \text{ }^\circ\text{C}$
PES* Polyether- sulfone	BASF, Ludwigshafen, Germany		Density: $1.362 \text{ g cm}^{-1} \pm 0.2 \%$ $T_G: 225 \text{ }^\circ\text{C}$
PET Polyethylene terephthalate	Skypet Polymers, Coimbatore, India		Density: $1.402 \text{ g cm}^{-1} \pm 1.0 \%$ $T_G: 70 \text{ }^\circ\text{C}$
PMMA Poly(methyl methacrylate)	A. Schulman GmbH, Kerpen Germany		Density: $1.196 \text{ g cm}^{-1} \pm 0.2 \%$ $T_G: 105 \text{ }^\circ\text{C}$

POM Polyoxy- methylene	A. Schulman GmbH, Kerpen Germany		Density: 1.325 g cm ⁻¹ ± 0.1 % T _G : -60 °C
PPA* Polyphthal- amide	EMS-CHEMIE AG, Domat/Ems Switzerland		Density: 1.150 g cm ⁻¹ ± 0.2 % T _G : 125 °C
PS Polystyrene	A. Schulman GmbH, Kerpen Germany		Density: 1.040 g cm ⁻¹ ± 0.2 % T _G : 60-100 °C
PSU Polysulfone	BASF, Ludwigshafen, Germany		Density: 1.203 g cm ⁻¹ ± 1.1 % T _G : 187 °C
PVC* Polyvinyl chloride	Granulat GmbH, Troisdorf, Germany		Density: 1.377 g cm ⁻¹ ± 0.3 % T _G : 79 °C
SAN Styrene- acrylonitrile	A. Schulman GmbH, Kerpen Germany		Density: 1.035 g cm ⁻¹ ± 1.8 % T _G : 108 °C