

Polymers: A Property Database の収録物性値一覧表

ポリマー	
収録物性値	左記のうち、表形式ファイルに出力可能な物性値
General Properties	
Molecular Formula	Molecular Formula
Material Class	Material Class
Polymer Type	Polymer Type
CAS Registry Number®	CAS Registry Number®
Additives	Additives
Molecular Fragment	Molecular Fragment
Molecular Weight	Molecular Weight
Tacticity	Tacticity
Chemical Identification	Chemical Identification
General Description / Comments	General Info
Morphology	Morphology
Monomers	
Related Polymers	
Volumetric & Calorimetric Properties	
Brittle Temperature	
Deflection Temperature	
Density	
Equation of State	Equation of State
Glass Transition Temperature	
Heat Distortion Temperatures	
Latent Heat Crystallisation	Latent Heat Crystallisation
Melting Temperature	
Miscellaneous Transition Temperatures	
Specific Heat Capacity	
Thermal Conductivity	
Thermal Diffusivity	Thermal Diffusivity
Thermal Expansion Coefficient	
Upper Use Temperature	
Vicat Softening Point	
Surface Properties & Solubility	
Adhesion	Adhesion
Cohesive Energy Density/Solubility	Cohesive Energy Density/Solubility
General Surface & Interfacial Properties	
Internal Pressure/Heat of Solution	Internal Pressure/Heat of Solution

Plasticisers	Plasticisers
Solvents/Non-Solvents	Solvents/Non-Solvents
Surface Tension	
Wettability Surface Energy & Interfacial Tension	Wettability Surface Energy & Interfacial Tension
Transport Properties	
Gas Permeability	General Permeability and Diffusion
General Permeability and Diffusion	
Melt Flow Index	
Permeability of Gases	
Permeability of Liquids	
Polymer Melts	
Polymer Solutions Concentrated	
Polymer Solutions Dilute	
Volatile Loss and Diffusion	
Water Absorption	
Water Content	
Mechanical Properties	
CHARPY	Complex Moduli
Complex Moduli	
Compressive Modulus	
Compressive Strength	
Elastic Moduli	
Flexural Modulus	
Flexural Strength at Break	
Flexural Strength at Yield	
Fracture Mechanical Properties	
Friction Abrasion and Resistance	
General Failure Properties	General Failure Properties
Hardness	
Impact Strength	
IZOD Area	
IZOD Notch	
Miscellaneous Moduli	
Poissons Ratio	
Tensile (Young's) Modulus	
Tensile Strength at Break	
Tensile Strength at Yield	
Viscoelastic Behaviour	Viscoelastic Behaviour

Electrical Properties	
Arc Resistance Complex Permittivity & Electroactive Polymers Dielectric Permittivity Dielectric Strength Dissipation (Power) Factor Dissipation Factor Magnetic Properties Static Electrification Strong Field Phenomena Surface Volume Resistivity	Complex Permittivity & Electroactive Polymers Dissipation (Power) Factor Magnetic Properties Static Electrification Strong Field Phenomena
Optical Properties	
Molar Refraction Refractive Index Total Internal Reflect Transmission & Spectra Volume Properties/Surface Properties	Molar Refraction Total Internal Reflect Transmission & Spectra Volume Properties/Surface Properties
Stability	
Biological Stability Chemical Stability Decomposition Details Environmental Stress Flammability General Polymer Stability General Thermal Stability Hydrolytic Stability Recyclability	Biological Stability Chemical Stability Decomposition Details Environmental Stress Flammability General Polymer Stability General Thermal Stability Hydrolytic Stability Recyclability
Applications / Commercial Products	
Applications Manufacturer/Supplier Commercial - Mould Shrinkage Proc Manufacturing Routes Tradename	Applications Manufacturer/Supplier Proc Manufacturing Routes Tradename

モノマー
収録物性値 (すべて表形式ファイルに出力可能)
CAS Registry Number®
Molecular Formula
Molecular Weight
Accurate Mass
Percentage Composition
Source/Synthesis
Biological Source
Use/Importance
Biological Use/Importance
Development Status
Melting Point
Boiling Point
Solubility
Density
Refractive Index
Optical Rotation
Dissociation Constant
Partition Coefficient (Calculated)
UV
Hazard and Toxicity
RTECS

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