

Guía comparativa de filamentos para Impresión 3D

	Temperatura Impresión	Temperatura Cama	Fuerza	Flexibilidad	Durabilidad	Dificultad	Contracción	Soluble	Food Safe* Cinta Azul	Glue Stick	Usos Típicos
ABS Acrylonitrile Butadiene Styrene	210-250 °C	50-100 °C	●●	●●●	●●●	●●	●●	Acetona	No	●	Partes Funcionales
ASA Acrylonitrile Styrene Acrylate	240-260 °C	100-120 °C	●●	●●●	●●●	●●	●●	Acetona	No	●	Uso para exteriores
Fibra de Carbono Carbon Fiber and PLA blend	195-220 °C	N/A °C	●●	●●●	●●●	●●	●●	No	No	●	Partes Funcionales
Limpieza/Cleaning Cleaning Filament	150-260 °C	N/A °C	-	-	-	●	-	-	-	-	Limpieza Boquilla/Destapar
Cambio de Color PLA or ABS with color changing properties	210-220 °C	N/A °C	●●	●●●	●●	●	●●	No	No	●	Educación, Modelado
Conductivo Conductive PLA or ABS	215-230 °C	N/A °C	●●	●●	●	●	●●	No	No	●	Electrónica
Flexible, TPE, TPU Thermoplastic Urethane / Polyurethane	225-235 °C	N/A °C	●	●●●	●●●	●●●	●●	No	No	●	Partes Elásticas, Wearbles
FPE Flexible Polyester	205-250 °C	75 °C	●	●●●	●●●	●●	●●	No	Si	-	Partes Flexibles
Brilla en la Oscuridad Glow in the dark PLA or ABS	210-220 °C	N/A °C	●●	●●●	●●	●	●●	No	No	●	Educación, Modelado,
HIPS High Impact Polystyrene	210-250 °C	50-100 °C	●	●●●	●●●	●●	●●	Solvente	No	●	Soportes Estructurales
Lignina (bioFila) Lignin and PLA plus additives	190-225 °C	55 °C	●●	●●●	●●●	●●●	●●	No	Si	●	Todo Propósito
Magnético PLA with powdered iron	195-220 °C	N/A °C	●●	●●●	●●	●●	●●	No	No	●	Educación, Experimental
Metal PLA/ABS Metal Powder and PLA or ABS blend	195-220 °C	N/A °C	●●	●●●	●●●	●●●	●●	No	No	●	Joyería
nGen Similar to PETG	210-240 °C	60 °C	●●	●●●	●●●	●●	●●	No	Si	●	Todo Propósito
Nylon Polyamide	220-260 °C	50-100 °C	●●●	●●●	●●●	●●	●●	No	Si	-	Todo Propósito
PC Polycarbonate	270-310 °C	90-105 °C	●●●	●●●	●●●	●●	●●	Acetona	No	-	Partes Funcionales
PC/ABS Polycarbonate ABS	260-280 °C	120 °C	●●	●●●	●●●	●●●	●●	No	No	-	Partes Funcionales
PET (CPE) Polyethylene Terephthalate	220-250 °C	N/A °C	●●●	●●●	●●●	●●	●●	No	Si	●	Todo Propósito
PETG (XT, N-Vent) Poly-Ethylene Terephthalate Glycol	220-235 °C	N/A °C	●●	●●●	●●●	●●	●●	No	Si	●	Todo Propósito
PETT (T-Glase) PolyEthylene coTrimethylene Terephthalate	235-240 °C	N/A °C	●●●	●●●	●●●	●●	●●	No	Si	●	Partes Funcionales
PLA Polylactic Acid	180-230 °C	N/A °C	●●	●●	●●	●	●●	No	Si	●	Productos de Consumo
PMM, Acrylic Polymethyl Methacrylate	235-250 °C	100-120 °C	●●	●●●	●●●	●●	●●	Acetona	No	●	Difusores de Luz, Modelado
POM, Acetal Polyoxymethylene	210-225 °C	130 °C	●●●	●●	●●	●●●	●●	Químico	No	-	Partes Funcionales
PORO-LAY Rubber-elastomeric polymer with PVA	220-235 °C	N/A °C	●●●	●●	●●	●	●●	Agua	Si	●	Experimental
PP Polypropylene	210-230 °C	120-150 °C	●●	●●●	●●	●●●	●●	No	Si	●	Componentes Flexibles
PVA Polyvinyl Alcohol	180-230 °C	N/A °C	●●●	●●	●●	●	●●	Agua	Si	●	Soporte Estructurales
Sandstone (Laybrick) Co-polyester and chalk powder	165-210 °C	N/A °C	●	●	●	●●	●●	No	No	●	Modelado Arquitectónico
TPC Thermoplastic Copolyester	210-210 °C	60-100 °C	●	●●●	●●●	●●●	●●	No	No	●	Partes Elásticas, Uso libre
Wax (MOLDLAY) Wax-like properties	170-180 °C	N/A °C	●	●	●	●	●●	No	No	●	Fundición de cera perdida
Madera (Laywood) Wood PLA Blend	195-220 °C	N/A °C	●●	●●	●●	●●	●●	No	No	●	Todo Propósito (Acabado Natural)