Guide to Common Injection Moulding Material Types

Xometry

Type	Material	Property	Food Grade	Flame Retardant (UL 94 V-0 or higher)	Clear/ Transparent	Glass-filled	Biocompatible	Biodegradable	RoHS Compliant	UV-resistant	ESD	Medical Grade	Heat-resistant
ABS	ABS (Axpoly® ABS52 1007)								✓				
	ABS (CYCOLAC™ Resin FR15U)			✓						✓			
	ABS (ELIXTM ABS P2H-AT)										✓		
	ABS (Kingfa FW-612 TC)				✓								✓
	ABS (LG ABS LG703W)												✓
	ABS (LNP™ COLORCOMP™ Compound A1000FXB)						✓						
	ABS (LNP™ STAT-KON™ Compound AX02747)										✓	✓	
	ABS (Novodur® P2H-AT)										✓		
	ABS (POLYLAC® PA-757F)		✓										
	ABS (POLYLAC® PA-765A)			✓									
	ABS (POLYLAC® PA-757)								✓				
HPDE	HDPE (DOW™ HDPE KT 10000 UE)									✓			
	HDPE (ExxonMobil™ HDPE HMA 016)									✓			
Nylon	PA 12 (Grilamid® L 16 nat)		✓						✓			✓	
	PA6 (Kingfa PA6-G15 HSBK145)					✓							✓
	PA66 (Kingfa PA66-G35 AHBK003)				✓	✓							
	PA66+30GF (Zytel® 74G33W NC010)									✓			
	PA66+35GF (Ultramid® A3X2G7)			✓					✓				
PBT	PBT (LNP™ ELCRIN™ W1000JiQ)						✓					✓	
PC	PC (LEXAN™ FR Resin SLD3000)										✓		
	PC (LEXAN™ HEALTHCARE RESIN HPS1)				✓							✓	
	PC (LEXAN™ RESIN 124R)		✓										
	PC (LNP™ ELCRIN™ HPH4504HB)						✓						
	PC (Makrolon® 6557)			✓	✓					✓			
	PC + 10GF (Makrolon® 9417)			✓		✓							
	PC-ABS (Bayblend® FR3008)			✓									
	PC-ABS (LNP™ COLORCOMP™ Compound N1000EXB)						✓						
	PC/ASA (LUPOY EU5000FS)			✓									
	PC+10GF (LEXAN™ FR Resin 500R)			✓		✓							
	PC+30GF (Bayblend® T88 GF-30)					✓							
PEEK	PEEK +30GF (APEXTECH-HT 330GL30)		✓			✓							✓
PEI	PEI (LNP™ THERMOCOMP™ Compound EC006AQW)						✓					✓	✓
PLA	PLA (Anbio BG4400)							✓					
	PLA (GS Pla® AD92W)							✓					
PMMA	PMMA (POLYCASA® ACRYL G 55)		✓		✓							✓	
POM	POM (LNP™ LUBRICOMP™ Compound KL004)											✓	
	POM (LNP™ STAT-LOY™ Compound K3000Z)										✓		
PP	PP (Borealis PP HG313MO)										✓		
	PP (Kingfa AP-202W)									✓			
	PP (SEETEC PP H1500)								✓				
	PP (TAIRIPRO® K1011)		✓		✓								
Teflon	Teflon PFA 440 HPB			✓									
TPV	TPV (SantopreneTM 101-64)								✓				
	TPV (SantopreneTM 251-70W232)			✓									