



## DME Hot Runner Technology Selection Guide

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The values expressed in grams are for reference only and are determined by using a nominal wall thickness of 1.8mm (.070") and unfilled polypropylene Part dimension, wall thickness, length of fill within part, mold conditions and molding parameters must also be considered.

NOTE: If flame retardant is present in the desired resin grade, please contact DME for product suitability or application guidance.

**Resin Application Key**  
 Good  
 Contact DME  
 Not recommended

**Polymer Viscosity Key**  
 L=Low M=Medium H=High

GENERIC PLOYMER NAME (TRADE NAME) [A=AMORPHOUS or C=CRYSTALLINE]

NOTE: THE CHART BELOW SHOWS COMMODITY RESINS IN ORANGE TYPE; ALL OTHERS ARE ENGINEERING RESINS.

NOZZLES	TIP	Min (mm)	Max (mm)	Min (inch)	Max (inch)	Flow Capacity (Grams)			GENERIC PLOYMER NAME (TRADE NAME) [A=AMORPHOUS or C=CRYSTALLINE]																																										
						Low MFI.16	Medium MFI 7-16	High .02-7	TPE (Elastomer) [A]	PE (Polyethylene) [C]	PE GF (Polyethylene) [C]	PS (Polystyrene) [A]	PS GF (Polystyrene) [A]	SAN [A]	TPO [C]	PP (Polypropylene) [C]	PP GF (Polypropylene) [C]	PP TF (Polypropylene) [C]	TPU	ABS [A]	ABS/PC [A]	PMMA (Acrylic) [A]	POM (Acetal) [C]	PA (Nylon) [C]	PA GF (Nylon) [C]	PA MF GF (Minlon) [C]	PPE [A]	PPO (Noryl) [A]	PPO GF (Noryl) [A]	PBT Polyester [C]	PBT GF Polyester [C]	PET [C]	PC (Polycarbonate) [A]	PC GF (Polycarbonate) [A]	PPS [C]	PSU [A]	PSU GF [A]	PUR (Urethane) [A]	LCP [C]	PEI (Ultem) [A]	PEI GF (Ultem) [A]	PEEK [C]	PVC (Flex Vinyl) [A]								
Stellar High Performance Heater	Sprue Tip	2.0	2.0	0.080	0.080	20	15	10	L	L	H	M	H	M	L	M	H	M	M	M	H	H	M	L	H	H	H	H	H	L	H	H	M	H	H	L	L	H	H	H	M										
	Standard Point Gate Tip	0.7	1.9	0.028	0.075	10	10	10																																											
	Wear Resistant Point Gate Tip	1.3	1.9	0.050	0.075	10	10	10																																											
Hot One 250 Series (Coil Heater)	Sprue Tip	2.0	3.1	0.080	0.125	625	475	315																																											
	Standard Point Gate Tip	0.7	2.5	0.028	0.100	200	150	100																																											
Hot One 250 Series (Cast-in Heater)	Sprue Tip	2.0	3.1	0.080	0.125	625	475	315																																											
	Wear Resistant Point Gate Tip	0.7	2.5	0.060	0.100	200	150	100																																											
Hot One 375 Series (Coil Heater)	Sprue Tip	3.2	4.7	0.125	0.187	1000	750	450																																											
	Standard Point Gate Tip	0.7	3.1	0.028	0.125	310	200	150																																											
Hot One 375 Series (Cast-in Heater)	Sprue Tip	3.2	4.7	0.125	0.187	1000	750	450																																											
	Wear Resistant Point Gate Tip	0.7	3.1	0.060	0.125	310	200	150																																											
Hot One 625 Series (Coil Heater)	Sprue Tip	4.7	7.9	0.187	0.312	1500	1100	750																																											
	Standard Point Gate Tip	3.2	4.4	0.125	0.175	800	550	400																																											
Hot One 625 Series (Cast-in Heater)	Sprue Tip	4.7	7.9	0.187	0.187	1500	1100	750																																											
	Wear Resistant Point Gate Tip	3.2	4.4	0.125	0.175	800	550	400																																											
Raduis Hot Sprue Bushings	S-Series & T-Series	4.1	4.1	0.160	0.160	700	500	300																																											
	E-Series	1.5	1.5	0.060	0.060	300	150	50																																											
	ER-Series & TR-Series	3.2	3.2	0.125	0.125	500	300	200																																											
	High Performance Series	1.6	1.6	0.062	0.062	300	150	50																																											
D-MAX 250 Series High Performance	Sprue Tip	2.0	3.1	0.080	0.125	700	500	350																																											
	Standard Point Gate Tip	1.3	2.5	0.050	0.100	250	175	125																																											
	Wear Resistant Point Gate Tip	1.5	2.5	0.060	0.100	250	175	125																																											
D-MAX 375 Series High Performance	Sprue Tip	3.2	4.7	0.125	0.187	1100	800	500																																											
	Standard Point Gate Tip	1.3	3.1	0.050	0.125	350	250	200																																											
	Wear Resistant Point Gate Tip	1.5	3.1	0.060	0.125	350	250	200																																											
D-MAX 625 Series High Performance	Sprue Tip	1.7	7.9	0.187	0.312	1600	1200	850																																											
	Standard Point Gate Tip	3.0	4.4	0.125	0.175	900	650	500																																											
	Wear Resistant Point Gate Tip	3.0	4.4	0.125	0.175	900	650	500																																											

Available only as a DME Designed and Manufactured Manifold & Components or Fully Assembled and Wired Hot Half

Available from the catalog as Components only or a DME designed and manufactured Manifold & Components or Fully Assembled and Wired Hot Half