

POM

Manufacturer : Celanese Corporation

Property	Test Method	Condition	Unit	Celcon M25	Celcon CE66	Celcon M90	Celcon M270	Amcel KP20	Amcel KP30
Density	ISO 1183	Natural or representative color	kg/m ³	1410	1410	1410	1410	1410	1410
Melt Flow Index	ISO 1133	190°C , 2.16kg	g/10min	2.2	8	8	23	9	27
Mold Shrinkage(MD)	ISO 294-4, 2577	Flow at 3.2mm(MD)	%	1.8	1.9	1.9	1.7	-	-
Mold Shrinkage(TD)	ISO 294-4, 2577	X-Flow at 3.2mm(TD)	%	2.2	2	2	1.9	-	-
Water Absorption	ISO 62	23°C- sat	%	0.75	0.75	0.75	0.75	-	-
Tensile Strength at Yield	ISO 527-2/1A	50mm/min	MPa	63	62	65	67	64	67
Tensile Strain at Yield	ISO 527-2/1A	50mm/min	%	12	11	10	8	30	17
Tensile Modulus	ISO 527-2/1A		MPa	2460	2700	2760	2800	2850	2900
Flexural Strength	ISO 178	3.5% strain	MPa	68	-	73	76	-	-
Flexural Modulus	ISO 178	23°C	MPa	2430	-	2550	2750	2700	2800
Izod Impact Strength (notched)	ISO 180/1A	23°C	KJ/m ²	8.3	-	5.7	5.4	6.4	6
Heat Deflection Temperature	ISO 75-1,-2	1.8MPa	°C	94	100	101	103	104	106
VICAT Softening Temperature	ISO 306	50N	°C	161	-	161	161	-	-