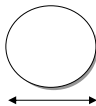
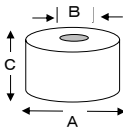
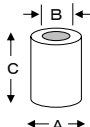
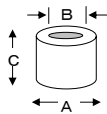





PRODUCTS SPECIFICATIONS

TPS-154 REV.0

Model Name		Catalyst Carrier Sphere (C C S)		Catalyst Carrier Raschig Ring (C C R)			Catalyst Carrier Dice (C C D)
		C C S 60-10	C C S 60-20	C C R 60-2005*20	C C R 87-0603*15	C C R 99-0803*8	C C D 60-2020*20
CHEMICAL COMPOSITION	Al ₂ O ₃	60-65%	60-65%	60-65%	87.0 ± 2.0%	99% MIN	60-65%
	SiO ₂	32-38%	32-38%	32-38%	10.0 ± 2.0%	—	32-38%
	Fe ₂ O ₃	0.7%Max	0.7%Max	0.7%Max	0.5%MAX	—	0.7%Max
	TiO ₂	-	-	-	—	—	-
	Ca O	0.3%Max	0.3%Max	0.3%Max	1.0MAX	—	0.3%Max
	MgO	1.5%Max	1.5%Max	1.5%Max	1.0MAX	—	1.5%Max
	Na ₂ O	0.3%Max	0.3%Max	0.3%Max	1.5MAX	—	0.3%Max
	K ₂ O	-	-	-	1.5MAX	—	-
PHYSICAL PROPERTIES	SPECIFIC GRAVITY	—	—	—	1.6 ± 0.1	1.4-1.6	—
	POROSITY(%)	—	—	—	52 ± 4	60-63	—
	WATER ABSORPTION(%)	33-43	33-43	33-43	32 ± 4	38-42	33-43
BULK DENSITY		-	-	—	0.60 ± 0.03	—	—
SIZE TOLERANCE		9-11mm φ	19-21mm φ	A : 18.4-20.0mm B : 5.3-5.5mm φ C : 19.5-21.0mm φ	A : 6.4 ± 0.8mm φ B : 3.00 ± 0.8mm φ C : 14.5 ± 2.0mm	A : 8.0-8.5mm φ B : 3.8 ± 0.2mm φ C : 8.0-8.5mm	A : 19.5-21.0mm B : 18.4-20.0mm □
APPERANCE							

* ABOVE PRODUCTS SPECIFICATIONS MAY BE CHANGED WITHOUT NOTICE IN ADVANCE.