

Urethane / Rubbers / Sponges / Felts

TPE Sheets

RoHS 10

A Dimension Selectable Type		A / B Dimension Configurable Type		Material	Hardness	Color
No Adhesive	Adhesive	No Adhesive	Adhesive			
TPES	TPESA	TPESS	TPESSA	Olefin Type TPE (Thermoplastic Elastomer)	Shore A65	Gray

A Dimension Selectable Type

Band Type

(Adhesive)

(No Adhesive)

Release Paper

Seal

Thickness 0.14-0.17mm)

A, B Dimension Configurable Type

Standard Type

Hole Type

One Hole 1H

Bolt Nominal Selection

N (Through Hole)
Z (Counterbore)

Two Holes 2H

2-Bolt Diameter Selection

N (Through Hole)
Z (Counterbore)

Three Holes 3H

3-Bolt Nominal Diameter Selection

N (Through Hole)
Z (Counterbore)

Four Holes 4H

4-Bolt Nominal Diameter Selection

N (Through Hole)
Z (Counterbore)

Six Holes 6H

6-Bolt Nominal Diameter Selection

N (Through Hole)
Z (Counterbore)

Dimension Tolerance of A and B have changed. See precision standards below.

Part Number		A Selection
Type	T	
No Adhesive TPES	Adhesive TPESA	3
		5
		10
		20
		30
		40
		50
		80
		100

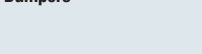
Part Number			1 mm Increment (A≥B≥T)		0.5 mm Increment		Bolt Nominal Diameter
Type	Nominal	T	A	B	F	G	N (Through Hole)
No Adhesive TPESS	1H	1	25-300	25-300	9-291 1H, 2H, 4H Type	5-295 1H, 2H, 3H Type	3
	2H	3					4
	3H						5
	4H						6
	6H	5					8
							10

Part Number		A	Available Types		
Type	T		B		
			10-100	101-200	201-300
No Adhesive TPSS	1	10-100	•	—	—
		101-200	•	•	—
		201-300	•	•	•
	3	10-100	•	—	—
		101-200	•	•	—
		201-300	•	•	•
5	10-100	•	—	—	
	101-200	•	•	—	
	201-300	•	•	•	

Part Number		1 mm Increment	
Type	T	A	B
No Adhesive TPESS	Adhesive TPESSA 1	10-300	10-300
	3		
	5		

Part Number Alterations

Part Number	-	A	-	B	-	F	-	G	-	N	-	(XC, YC)
TPESS4H5	-	100	-	80	-	F60	-	G20	-	N5	-	YC40

TPE Washers / Bumpers	Washers		Configurable Type	Cushion Type	Material	Hardness	Color	D Tolerance		V Tolerance	
	No Adhesive	Adhesive						D	Tolerance	Material	Tolerance
	WTPE	WTPEA	FWTPEA	RBXTPT	Olefin Type TPE	Shore A65	Gray	6-40	±0.5	Low Elasticity Rubber	±0.5
								41-60	±0.6		+ 0.5
								61-100	±0.7		0

Part Number		V													T		
Type	D																
No Adhesive	6														1	3	
	8	2	3	4										1	3		
	10		3	4	5	6								1	3	5	
	12			4	5	6	8							1	3	5	
	15			4	5	6	8	10						1	3	5	
	20				5	6	8	10	12						3	5	
Adhesive	25				5	6	8	10	12	16	20					3	5
	30				5	6	8	10	12	16	20				3		5
	35						8	10	12	16	20	25				5	
	40						8	10	12	16	20	25	30				5
	50						8	10	12	16	20	25	30				5
	60								12	16	20	25	30	40			

Part Number	1 mm Increment		
Type	D	V	T
FWTPEA	6-15	0 No Hole	1
	16-30	2-39	
	31-45	V≤D-6	
	46-60	0 No Hole	3
	61-80	10-70	
	81-100	V≤D-6	5

Part Number		L 1 mm Increment	V	Applicable Bolts
Type	D			
Through Hole Type RBXTP	15	10-50	7	M4
	20		10	M6
	30		16	M10

Part Number Example

Standard Type				
Part Number	-	V	-	T
WTPE20	-	10	-	5

Part Number	-	L
RBXTP20	-	30

Configurable Type

Part Number - D - V - T

FWTPEA - D19 - V3 - T5

Measuring Method	GCMS	GCMS	GCMS	GCMS
Outgas	Acetaldehyde	t-Trimethylpentene	Dimethylheptane	Xylene
60°C 60 min.	Below Detection Limit	Below Detection Limit	Below Detection Limit	Below Detection Limit
Detection Limit	0.01 µg/g	0.01 µg/g	0.01 µg/g	0.01 µg/g

	0 min	10 min	20 min	30 min
TPE	40	140	60	180
EPDM Synthetic Rubber 65°	100	27260	112400	—
CR 65°	100	4360	9920	14060
Fluorine 80°	780	540	80	220
Urethane 90°	40	6860	720	360