



# UNI-ACE™

Press-On Tires



 **T.A.I. INDUSTRIAL TIRE** DISTRIBUTOR

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A Division of Toyota Tsusho America, Inc.

# Compounds



Tread Patterns:  
Z-lug - Z  
Smooth - S

## **PHD**

- **PREMIUM HEAVY DUTY** premium natural rubber tire with special additives. This compound was developed to provide the longest service life in the most abrasive applications. Ideal for long distance at high speeds and severe load applications with tight turns. Benefits include lower rolling resistance giving up to 20% longer battery life, low heat build up increasing tire life and superior chip and chunk resistance. This compound will provide maximum shock absorption limiting the impact transferred to the vehicle improving driver comfort and reducing shock related maintenance costs. Can be used on electric and gas trucks. This compound has set the standard that all other premium tires will be judged by.

## **GREY**

- **NON MARKING**—A blend of 100% premium natural rubber with hydrated silica's and special additives. Will not mark floors and thus improve appearance and reduce cleaning maintenance costs. Increase load capacity with high resistance to cutting and chunking. Low rolling resistance will give up to 15% longer battery life. Can be used on electric and gas trucks. Will give the longest tire life of any Non Marking tire.

# Typical Physical Properties

	Standard Tire	Premium Heavy Duty	Non Marking	
Modulus p.s.i. 300% extension ASTMD-412	1600	2000	1650	Modulus is the amount of pressure in pounds per square inch that it takes to stretch a sample of rubber a given length 300% modulus represents stretching the original sample three times its original length. Used to measure compound stiffness.
Ultimate Tensile p.s.i. ASTMD0412	3000	3800	3900	Measurement of force required to fracture a given sample of rubber. The results indicate if the formula is mixed correctly and cured at the proper time and temperature.
Ultimate Elongation % ASTMD-412	500	500	530	The percent in length a given sample can be stretched at its failure point. Modulus, Tensile and Elongation are critical to determine the optimum cure time.
Resilience 5 ASTMD-2632	30	50	45	Measures the ability of the rubber sample to give back the energy applied (rebound). Has a significant effect on rolling resistance and heat build up. A high natural rubber content is required for over 40 percent.
Durometer Shore A	68 - 70	65 - 68	67 - 73	Measures the rubber sample hardness. The higher the durometer the harder the rubber. Directly related to the quality of the ride.
Tear Strength lbs/in ASTMD-624	340	450	300	Tear strength is the pull in pounds required to tear the rubber sample. Used to measure abrasion resistance (chip, chunk and wear). Should exceed 300 lbs/in
Bond Pull Q.C. destruction test	160	170	160	Test of tire samples to determine strength of rubber to baseband adhesion. High bond will prevent premature bond failure.

**GUARANTEE** Every tire of our manufacture bearing our name and serial number is guaranteed to be free from defects in materials and workmanship. If our examination shows a tire has failed under this guarantee, we will make a reasonable allowance on the purchase of a new tire at current prices or other adjustment within our discretion.

This guarantee is made for the exclusive benefit of the tire owner actually using the product. It is not assignable and no claim hereunder will be recognized unless submitted in accordance with our standard claim procedure.

No other warranty or liability express or implied, is applicable to this guarantee or to our products.



Item #	Size	Tread Pattern	Weight lbs	Load capacity steer 6 mph	Load Capacity Drive 6 mph	Load Capacity Drive 10 mph	Load Capacity Steer 10 km/h	Load Capacity Drive 10 km/h	Load capacity Drive 16 km/h
UNI-02	9 X 5 X 5	SM	12	1742	2116	1885	790	960	855
UNI-03	10 X 4 X 6 1/2	SM	13	1411	1720	1532	640	780	695
UNI-67	10 X 4 3/4 X 6 1/2	SM	14	1720	2094	1863	780	950	845
UNI-07	10 X 5 X 6 1/2	SM	17	1841	2238	1995	835	1015	905
UNI-08	10 1/2 X 5 X 6 1/2	SM, Z-LUG	18	1951	2370	2116	885	1075	960
UNI-62	12 X 5 1/2 X 8	SM	22	2425	2954	2635	1100	1340	1195
UNI-13	13 1/2 X 5 1/2 X 8	SM, Z-LUG	28	2734	3329	2976	1240	1510	1350
UNI-12	14 X 4 1/2 X 8	SM, Z-LUG	24	2105	2568	2293	955	1165	1040
UNI-101	14 X 5 X 10	SM	23	2425	2943	2635	1100	1335	1195
UNI-19	15 X 5 X 11 1/4	SM, Z-LUG	27	2524	3064	2734	1145	1390	1240
UNI-16	16 X 5 X 10 1/2	SM, Z-LUG	33	2734	3318	2965	1240	1505	1345
UNI-17	16 X 6 X 10 1/2	SM, Z-LUG	38	3450	4200	3748	1565	1905	1700
UNI-20	16 1/4 X 5 X 11 1/4	SM, Z-LUG	31	2756	3362	2998	1250	1525	1360
UNI-21	16 1/4 X 6 X 11 1/4	SM, Z-LUG	38	3461	4222	3770	1570	1915	1710
UNI-24	17 X 5 X 12 1/8	SM, Z-LUG	33	2855	3472	3097	1295	1575	1405
UNI-26	18 X 5 X 12 1/8	SM, Z-LUG	38	2976	3616	3230	1350	1640	1465
UNI-27	18 X 6 X 12 1/8	SM, Z-LUG	47	3781	4608	4112	1715	2090	1865
UNI-28	18 X 7 X 12 1/8	SM, Z-LUG	56	4630	5633	5027	2100	2555	2280
UNI-29	18 X 8 X 12 1/8	SM, Z-LUG	63	5434	6614	5908	2465	3000	2680
UNI-36	21 X 7 X 15	SM, Z-LUG	66	5203	6327	5655	2360	2870	2565
UNI-37	21 X 8 X 15	SM, Z-LUG	74	6118	7441	6647	2775	3375	3015
UNI-38	21 X 9 X 15	SM, Z-LUG	88	7066	8598	7683	3205	3900	3485
UNI-41	22 X 6 X 16	SM, Z-LUG	60	4398	5357	4784	1995	2430	2170
UNI-43	22 X 8 X 16	SM, Z-LUG	79	6338	7716	6889	2875	3500	3125
UNI-44	22 X 9 X 16	SM, Z-LUG	94	7330	8918	7970	3325	4045	3615
UNI-45	22 X 10 X 16	SM, Z-LUG	100	8278	10075	8995	3755	4570	4080
UNI-46	22 X 12 X 16	SM, Z-LUG	121	10218	12434	11100	4635	5640	5035
UNI-95	28 X 10 X 22	SM	139	9910	12059	10770	4495	5470	4885
UNI-100	28 X 12 X 22	SM	171	12225	14881	13283	5545	6750	6025