



Magnethane™ Metal Detectable Products

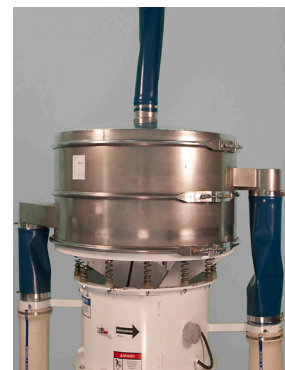
MAGNETHANE™

Custom compounded polyester based thermoplastic polyurethane. Blend of metal-detectable and magnetically-susceptible thermoplastic resins. Magnetic signature allows Magnethane™ to be “seen” by most metal detection.

- Reactive with magnetic traps to remove particles and pieces.
- FDA acceptable for direct food contact per CFR 21.177.2600 and CFR 21.177.1680. Also approved for use by the USDA.
- Excellent abrasion, flex fatigue and tear resistance.
- Precision cut and welded into gaskets, custom flex sleeves, chutes and product transfer tubes.

COMPOUND	ABRASION RESISTANCE	DUROMETER SHORE A	TENSILE STRENGTH
SPECIFIC GRAVITY	.043 LB/IN ³	1.21 GR/CM ³	D 792
MELTING POINT	350° - 385° F	177° - 196° C	D 2117
HARDNESS: SHORE A	85±3 A	85±3 A	D 2240
TABER ABRASION: MG LOSS: 1000 GR./H-18	25 CYCLES	25 CYCLES	D 1044
TENSILE STRENGTH	4535 PSI	31 MPA	D 412
TENSILE STRESS @ 100% ELONGATION	920 PSI	6 MPA	D 412
ELONGATION AT BREAK	600%	600%	D 412
COMPRESSION SET, % 22HRS @ 70° F	45%	45%	D 412
E-MODULUS	2300 PSI	16 MPA	D 395B
TEAR STRENGTH, DIE C	535.0 LBS/IN	88.0 KN/M	D 412

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DISCLAIMER: THE DATA PROVIDED IS INTENDED AS A GUIDE ONLY AND SHOULD NOT BE INTERPRETED AS A WARRANTY. IT IS NOT INTENDED TO BE USED TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR ANY SPECIFIC CUSTOMER APPLICATION. SIFTEX STRONGLY SUGGESTS THAT EACH CUSTOMER THOROUGHLY TEST THE PROSPECTIVE PRODUCT IN THEIR OWN MANUFACTURING FACILITY TO DETERMINE THE ACTUAL SUITABILITY OF THE PRODUCT IN THEIR SPECIFIC APPLICATION.

