






TECHNICAL BLADE MATERIAL DATA SHEET



American Eagle Manufacturing LLC is the world leader in blade technology. Our advanced compound processing equipment gives us a unique edge in compounding capabilities. We use only premium urethane resins along with many additives to achieve a superior blade product. We have stringent lot control processes in place to ensure consistent product quality. We pride ourselves with 35 years of molding experience and constant new product development. Our experience in material application over a broad industry back ground gives us the leading edge in BLADE TECHNOLOGY.

BLADE	BLADE NAME	COMPOUND NUMBER	COLOR	DUROMETER	TYPE	ASTM D412 Tensile Strength	ASTM D412 Elongation	Tear strength: Die C	Split tear	Compression Deflection at 50%	Taber Abrasion (H-18 Wheel,1000g load,1000 cycles)	Max Temp Heat °C/°F	Max Temp Cold °C/°F
	Ev-R-Wear Blade	AD83M-85	Blue	85A	ESTER	7800	650	630	pli 310	psi 3480	10 mg loss	100°/212°	-40°/-40°
	Standard Blade	BU242-85	Orange	85A	ESTER	7150	575	525	pli 300	psi 2100	25 mg loss	70°/160°	-40°/-40°
	Chemical Blade	AD78C-80	Green	80A	Poly-butadiene	2800	425	215	pli 45	psi 1800	34 mg loss	100°/212°	-40°/-40°
	High Heat Blade	AD95H-95	Red	95A	ETHER	5400	280	375	pli 80	psi 9800	28 mg loss	150°/300°	-62°/-80°
	PURE-WHITE (FDA Blade)	BU242-85F	White	85A	ESTER	7150	575	525	pli 300	psi 2100	25 mg loss	70°/160°	-40°/-40°

NOTE: The information contained in this bulletin we believe to be accurate. All evaluations and test's were done under a controlled environment setting. Since conditions of end-user use are beyond our control, all risks are assumed by the user. Ev-R-Wear / PURE-WHITE are registered trademarks of American Eagle Manufacturing LLC.

Blade Recommendations

Ev-R-Wear	Standard	Chemical	Heat	PURE-WHITE
Ev-r-wear is our top choice blade material. It is our overall blade recommendation for high abrasion applications. We have formulated this blade with additives for abrasion resistant along with additives for lubricity. We have seen as much as 2 times the life as some of our competitors.	Standard formula is available to compete with the markets best blade formula's at a lower price point. These blades are also designed for high abrasion.	Chemical formula is designed to be non hydroscopic. Reducing the absorption rate of chemicals.	Our high heat Urethane formula will hold up to 300 degrees constant temperature and as high as 350 degrees intermittent temperature.	We are the premier manufacturer of the Pure-White FDA approvable blade. Our material meets FDA criteria for the following: CFR21.177.1680