

AMS[®] Polyurethanes

AMS [®] Polymers	TC55		E564		TC90FR		CS100FR		CS150FR	
Description	This ergonomic blend combines high tear strength and elongation. Good grease and oil resistance		Tough and highly adaptable with excellent impact strength.		A proven blend which combines high strength, elongation with excellent chemical resistance.		A durable and versatile blend for areas where potential exposure to impacts and corrosive fluids are primary.		Durable polymer designed for high impact resistance and compressive strength.	
Industry	From general consumer to industrial.		General, Commercial, Light Industrial		Commercial, Industrial		Heavy Industrial		Heavy Industrial	
Applications	Anti-Fatigue relief for work stations, drillers consoles and stationary workplaces		Walkways, stair treads, landings, entrance ways, payload areas, egress routes, muster stations, monkey boards, etc.		Areas exposed to chemicals. Drill floors, escape/egress routes, stair treads, walkways, Heli-decks, etc.		Ideal for rotary tables, areas exposed to harsh chemicals or corrosion		Setback/ Pipe Racking Pads, areas where there is an inherent risk of extreme impact	
	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial
Hardness ASTM 2240-85	55-60 Shore A		85-90 Shore A		75-85 Shore A		75-85 Shore A		80-90 Shore A	
Tensile Strength@Break* ASTM 412 D - Die C	11.2 MPa	1624 psi	11.4 MPa	1650 psi	33 MPa	4835 psi	38.8 MPa	5628 psi	32.3 MPa	4690 psi
% Elongation@Break* ASTM 412 D - Die C	495		300		726		687		465	
Tear Strength* ASTM D 624	63.1 kN/m	360 lbf/in	28.9kN/m	165 pli	131.7 kN/m	752 lbf/in	149.6 kN/m	854 lbf/in	153.4 kN/m	876 lbf/in
Fungus Resistance	non-nutrient		non-nutrient		non-nutrient		non-nutrient		non-nutrient	
Reparability	good		good		excellent		excellent		excellent	
Chemical Resistance	excellent		good		excellent		excellent		excellent	
Corrosive Resistance	Yes		Yes		Yes		Yes		Yes	
Ultraviolet Stability	Yes		Yes		Yes		Yes		Yes	
Service Temperatures	-38°C to 93°C	40°F to 200°F	-30°C to 100°C	-22°F to 212°F	-38°C to 93°C	40°F to 200°F	-38°C to 93°C	40°F to 200°F	-38°C to 93°C	40°F to 200°F
% Water Absorption	0.01		0.85		0.01		0.01		0.01	

TESTS *Indicates mean average

