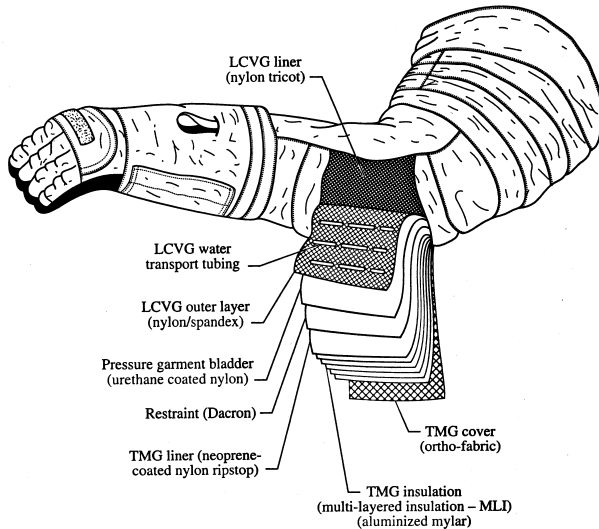


Diagram of EMU Soft Suit Components



Cross section of material layup used for fabric for the arms and legs of the spacesuit.

Orlan-M Soft Suit Layers



EMU Suit Layers

EMU (US EVA Suit - Layers)			
1	Thermal Micro Meteoroid Garment	Teflon-impregnated Ortho-fabric with Kevlar grid backing	Cloth Type
2	Insulation	Aluminized Mylar	Reflective
3	Insulation	Aluminized Mylar	Reflective
4	Insulation	Aluminized Mylar	Reflective
5	Insulation	Aluminized Mylar	Reflective
6	Insulation	Aluminized Mylar	Reflective
7	Lining	Neoprene coated nylon ripstop	Thick Cloth Type
8	Pressure Garment Restraint	Dacron	White - Cloth Type
9	Bladder	Urethane coated nylon	Yellow - Thick Cloth Type
10	Liquid Cooling and Ventilation Garment	Nylon Spandex	Porous Stretch Type
11	Lining	Nylon Chiffon	Nylon Stretch Type
12	Thermal Control Undergarment	Capilare	Cotton Cloth Type

EMU Soft Suit Layers



Orlan-M Suit Layers

Orlan-M (Russian EVA Suit - Layers)			
1	Protective Garment	PHENILON	NOMEX type
2	Radio Fabric	CAPRON + Silver	Mesh Type
3	PETF Film	Polyethylentereftalat	Porous Type
4	PETF Film	Polyethylentereftalat	Reinforced Porous
5	PETF Film	Polyethylentereftalat	Porous Type
6	PETF Film	Polyethylentereftalat	Reinforced Porous
7	PETF Film	Polyethylentereftalat	Thick Layer
8	Radio Fabric	CAPRON + Silver	Mesh Type
9	Lining	CAPRON	Nylon Type
10	Restraint Layer	LAVSAN (Polyphir, DACRON)	Thick Cloth Type
11	Primary Bladder	Natural Latex Type	Rubber Stretch Type
12	Redundant Bladder	Rubber Coating Capron	Metallic Rubber
13	Lining	CAPRON	Nylon Type
14	Liquid Cooling Garment	SPANDEX + CAPRON tricot	Porous Stretch Fabric
15	Inner Garment		