

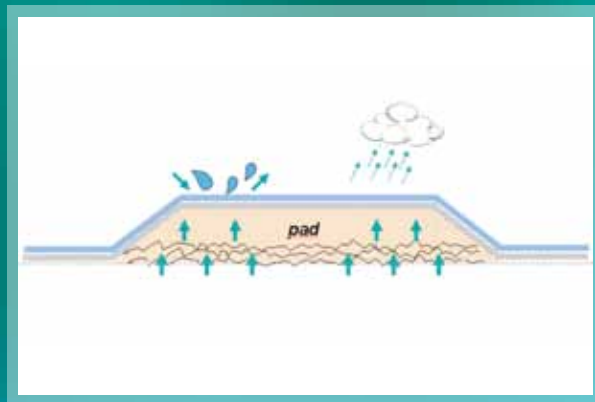
NEW

TOP-LAYER TPU FILMS FOR MODERN WOUND CARE DUREFLEX® FILMS:

STRESS-FREE REMOVAL & BREATHABILITY



Bandages and wound dressings with Dureflex® films protect injured parts of the body from dirt and microbes, stop wound exudates from seeping out and are very skin-friendly



Breathable and waterproof membrane films create an environment that enables wounds to heal quickly

Modern wound dressings call for materials that reduce both patient pain and treatment costs. To help achieve these goals, Bayer MaterialScience developed special Dureflex® TPU film grades as the base material for high value, functional wound dressings. Dureflex® TPU films benefit from a unique combination of properties, which enables the design of new tailor-made wound dressings that support wound healing.

CHARACTERISTICS OF TPU FILMS:

- Watertight, water vapor permeable
- Barrier to dirt and microbes
- Prevent leakage of wounds
- No dehydration of wounds
- Moist wound healing process possible
- Soft and stretchable
- Comfortable
- No softeners, no solvents
- Non-irritating to the skin

PRODUCT TECHNICAL DATA:

			Polyurethane Film Grade		
			U04 /PE - 25 μ	PT9200US - 20 μ	PT1700S/PE - 25 μ
Properties	Standards/Procedures	Units			
Tensile stress at break **	ASTM D-882	Psi (Mpa)	8000 (55)	9300 (64)	5300 (37)
Tensile strain at break **	ASTM D-882	%	650	625	625
Water Vapor Transmission	MOC ON 38° C/90% R.H.	g/(m ² *day)	1300	1800	4500

**** Data are approximate average values. Specific orders might vary up to +/-30 % from the data indication**

CONTACT US:

RELY ON OUR EXPERIENCE FOR YOUR APPLICATION



Bayer Material Science

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