



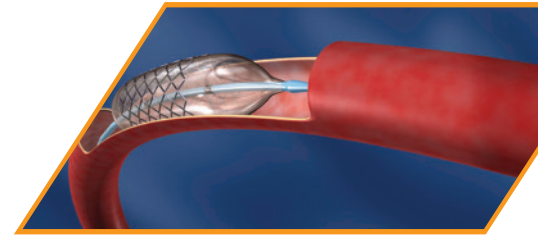
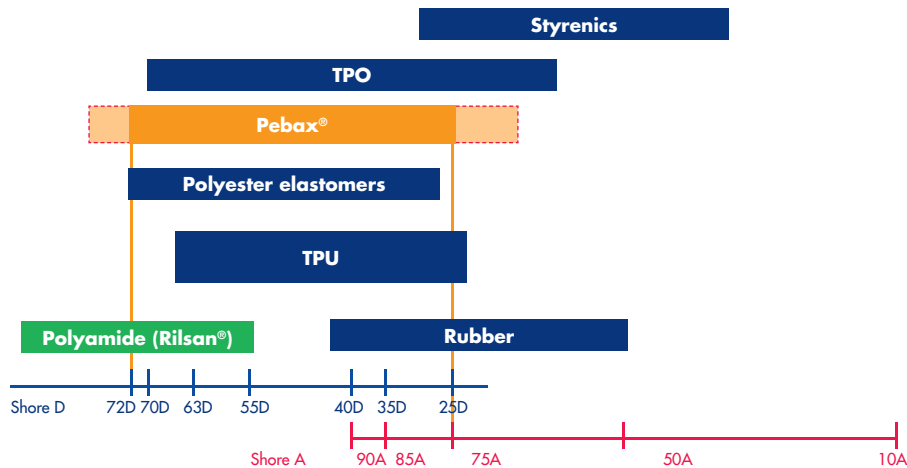
Medical thermoplastic elastomers

Pebax[®] resins are high performance polyether block amides that among other industries, can be used in medical applications like catheters, PVC-free tubing and medical gowns.

MOST BALANCED PEBA RANGE

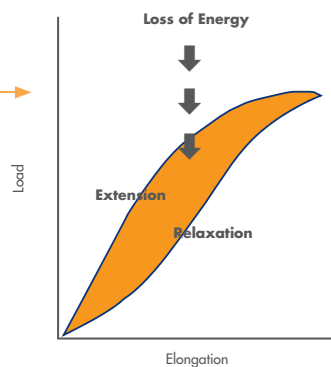
Arkema's Pebax[®] MED range offers a wide variety of rigid, semi-rigid and flexible grades for medical applications. All MED grades are plasticizer, BPA and PVC free. Each grade is also USP VI approved.

Soft & Flexible to Hard & Rigid



PEBAX[®] RANGE BENEFITS

- Lowest energy loss of all TPE's
- Light weight
- Easy processing
- Gamma & steam sterilizable
- Chemical resistance
- Excellent overmolding
- BPA, PVC – free
- Low coefficient of friction
- Breathable & anti-static properties



*Energy return is the capacity of a material to retain a maximum energy during extension AND deliver back a maximum energy in the relaxation phase ("return").



Chemical Resistance

Elastic Return

Lightweight

APPLICATIONS

Catheter

- Balloon
- Angioplasty
- Urology

PVC-free tubing

- Intravenous (IV) tubing
- High pressure tubing

Films

- Medical gowns
- Trans-dermal patches

Multi-lumen tubing

- Monofilament
- Dental floss
- Medical grade brushes

PEBAX® MED GRADE RANGE

Grade	Density (g/cm ³) ISO 1183	Melting Point (°C)	Shore Hardness ISO 868		Flexural Modulus (MPa) ISO 178
			Instantaneous	After 15 Sec	15 days @ 23°C, 50% RH
Pebax® 2533 SA 01 MED	1.00	134	27	22	12
Pebax® 3533 SA 01 MED	1.00	144	33	25	21
Pebax® 4033 SA 01 MED	1.00	160	42	35	77
Pebax® 4533 SA 01 MED	1.01	147	46	41	86
Pebax® 5533 SA 01 MED	1.01	159	54	50	170
Pebax® 6333 SA 01 MED	1.01	169	64	58	285
Pebax® 7033 SA 01 MED	1.01	172	69	61	390
Pebax® 7233 SA 01 MED	1.01	174	69	61	513
			Surface Resistivity (Ω/sq) IEC 60093	Volume Resistivity (Ω.cm) IEC 0093	Refractive Index
Pebax® MV 1074 SA 01 MED*	1.07	158	3 10 ⁹	2.5 10 ⁹	1.502

*Main Applications : Permeant anti-static additive / Breathable membranes

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