



» SELECTION GUIDE

NEUSoft™ Thermoplastic Polyurethanes

With continued advancement in healthcare technology, the importance of quick prototyping and material sampling has never been greater. To support these device needs, Avient developed the NEUSoft™ Thermoplastic Polyurethanes (TPUs) product line for in-vivo applications in standard and customizable grades. This portfolio provides good elasticity, abrasion resistance, and tear resistance, as well as effective barrier properties against moisture and oxygen.

For time-sensitive development projects, our NEUSoft Express offerings come in 14 standard colors, in neat or

20% barium sulfate-filled formulations, with a planned 14-day lead time to assist in accelerating your R&D process.

Our formulation experts can also work with your design team to tailor a product that meets your specific color and performance needs.

Whether your application demands can be supported by the NEUSoft Express color palette or require customization, all our NEUSoft TPUs are designed with patient safety and regulatory specifications in mind, complying with ISO 10993 and USP Class VI standards.

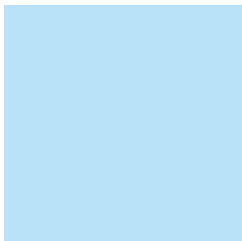
	NEUSoft™ UR842A	NEUSoft™ UR852A	NEUSoft™ UR862A	NEUSoft™ UR873A
Hardness	42	52	62	73
Specific Gravity	0.96	0.98	1.01	1.04
Compression Set	17	16	16	23
Tensile Strength @ 50% (psi)	130	185	265	455
Tensile Strength @ 100% (psi)	185	257	364	594
Tensile Strength @ 200% (psi)	305	392	532	830
Tensile Strength @ Break	990	1367	1849	2509
Elongation	501	575	626	542
Tear Resistance	120	164	234	319
Melt Index 190C/8.7kg	2	4	9	13

NEUSOFT EXPRESS STANDARD COLOR PALETTE

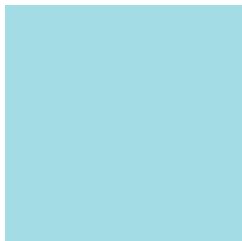
TPUs are available in neat or 20% BaSO₄ formulations, except black, which is not available in 20% BaSO₄ loading.



PMS 295C



PMS 290C



PMS 324C



PMS 3405C



PMS 7441C



PMS 1767C



PMS 101C



PMS Cool Gray 11C



PMS 2915C



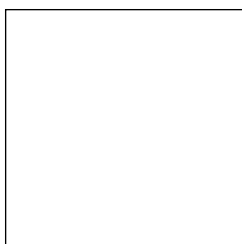
PMS 358C



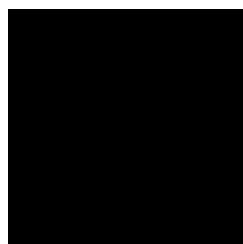
PMS 644C



PMS 144C



PMS White



PMS Black 6C

Colors may vary from the actual color shown. Samples are recommended.

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To learn more about NEUSoft TPU formulations, contact us at +1.844.4AVIENT (1.844.428.4368).

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