

Polybutylene

A thermoplastic polymer, such as butyl rubber, of a butylene liquefied petroleum gas, isobutene, butene-1, butene-2 that is manufactured in various degrees of elasticity, strength and stability. Used for films, coatings, pipes, tubing, fittings and many other services.

Ultradur® B4300 G6 Q631 (Polybutylene Terephthalate) Property Sheet

* All Values are Nominal.

Physical	Value	Test
Density-Specific Gravity	1.52 sp gr 23/23 °C	ASTM D792

Mechanical	Value	Test
Tensile Modulus	1.33e+006 psi	ASTM D638
Tensile Strength @ Yld	16000 psi	ASTM D638
Tensile Elongation @ Yld	4 %	ASTM D638
Flexural Modulus	1.2e+006 psi	ASTM D790
Flexural Strength @ Yld	27500 psi	ASTM D790

Impact	Value	Test
Notched Izod Impact (73 °F)	2.3 ft-lb/in	ASTM D256
Unnotched Izod Impact (73 °F)	12.5 ft-lb/in	ASTM D256

Thermal	Value	Test
DTUL @ 264psi - Unannealed	395 °F	ASTM D648

** These are typical property values intended only as guides. They should not be used to establish specification limits or as the sole basis of design. Determining whether this information, or this plastic, should be used for a particular application is the responsibility of the user.

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