

# TOYOBO Urethane A2080A

Polyurethane (Polycaprolactone)

TOYOBO America, Inc.

Message:

TOYOBO Urethane A2080A is a polyurethane (polycaprolactone) (PUR-Capro) product. It can be processed by injection molding and is available in North America.

General Information			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	34.3	MPa	ASTM D638
100% strain	5.39	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Taber Abrasion Resistance (1000 Cycles)	20.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	93.2	kN/m	ASTM D624
Compression Set	35	%	ASTM D395B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
Additional Information			

Taber Abrasion Resistance, H22, 1000 cycles: 20 mgBrittle Temperature, ASTM D746: <-70 °C

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