TOYOBO Urethane A2064D

Polyurethane (Polycaprolactone)

TOYOBO America, Inc.

Message:

TOYOBO Urethane A2064D is a polyurethane (polycaprolactone) (PUR-Capro) product. It can be processed by injection molding and is available in North America.

Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.23 g/cm³ ASTM D792 Hardness Nominal Value Unit Test Method Durometer Hardness (Shore D) 64 ASTM D2240 Mechanical Nominal Value Unit Test Method Tensile Strength ASTM D638 Yield 44.1 MPa ASTM D638 100% strain 22.6 MPa ASTM D638 Tensile Elongation (Break) 400 % ASTM D638 Taber Abrasion Resistance (1000 Cycles) 60.0 mg ASTM D1044 Elastomers Nominal Value Unit Test Method Tear Strength 235 kN/m ASTM D624 Compression Set 40 % ASTM D395B Thermal Nominal Value Unit Test Method	General Information			
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Mechanical Nominal Value Unit Test Method Tensile Strength	Hardness	Nominal Value	Unit	Test Method
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Elastomers Nominal Value Unit Test Method Tear Strength 235 kN/m ASTM D624 Compression Set 40 % ASTM D395B Thermal Nominal Value Unit Test Method Brittleness Temperature -65.0 °C ASTM D746	Tensile Elongation (Break)	400	%	ASTM D638
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Compression Set 40 % ASTM D395B Thermal Nominal Value Unit Test Method Brittleness Temperature -65.0 °C ASTM D746	Elastomers	Nominal Value	Unit	Test Method
Thermal Nominal Value Unit Test Method Brittleness Temperature -65.0 °C ASTM D746	Tear Strength	235	kN/m	ASTM D624
Brittleness Temperature -65.0 °C ASTM D746	Compression Set	40	%	ASTM D395B
The state of the s	Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature 143 °C ASTM D1525	Brittleness Temperature	-65.0	°C	ASTM D746
	Vicat Softening Temperature	143	°C	ASTM D1525

Taber Abrasion Resistance, H22, 1000 cycles: 60 mgBrittle Temperature, ASTM D746: <-65 °C

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