

# ISOTHANE® G3080AU-X2

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE G3080AU-X2 is high performance Polyether-based combining hardness with excellent mechanical properties and environment-friendly TPU based on renewable materials with bio-based content 54%. This renewable resin also features the property- HIGH TRANSPARENCY.

Characteristics:

ISOTHANE G3080AU-X2 product is polyether based thermoplastic polyurethanes. It exhibits excellent transparency, toughness, abrasive resistance, and solvent resistance. This product can be injection molded, blow molded, and extruded.

General Information			
Features	Biocompatible		
	Good Abrasion Resistance		
	Good Toughness		
	Renewable Resource Content		
	Solvent Resistant		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain	6.00	MPa	
100% Strain	8.00	MPa	
300% Strain	12.0	MPa	
Tensile Strength (Yield)	29.0	MPa	ASTM D412
Tensile Elongation (Break)	760	%	ASTM D412
Tear Strength <sup>1</sup>	143	kN/m	ASTM D624
Additional Information	Nominal Value		
Biobased Content	54.0		
NOTE			
1.	Die C		

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