

Technical Data Sheet

**Invision GX 5055G2**

Thermoplastic Elastomer
LyondellBasell Industries
Engineering Plastics

Product Description

INVISION™ GX 5055G2 is a styrenic thermoplastic elastomer of 55 Shore A durometer, which has been formulated for superior injection molding processability, elasticity, and resiliency. It is targeted for applications requiring a material with the following properties:

General

Material Status	• Commercial: Active
Availability	• North America
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.940 g/cm ³	0.940 g/cm ³	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant	305 psi	2.10 MPa	ASTM D638
Tensile Strength (Break)	653 psi	4.50 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	> 500 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength	150 lbf/in	26.3 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	18 %	18 %	ASTM D395
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	55	55	ASTM D2240

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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