

Technical Data Sheet

**Invision TX 5273**

Thermoplastic Vulcanizate
LyondellBasell Industries
Engineering Plastics

Product Description

TPV Fully Crosslinked EPDM Rubber

General

Material Status	• Commercial: Active		
Availability	• North America		
Processing Method	• Blow Molding	• Injection Molding	
	• Coextrusion	• Profile Extrusion	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.960	0.958 g/cm ³	ASTM D792
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain)	450 psi	3.10 MPa	ASTM D412
Tensile Strength (Break)	1130 psi	7.80 MPa	ASTM D412
Tensile Elongation (Break)	> 410 %	> 410 %	ASTM D412
Tear Strength	268 lbf/in	47.0 kN/m	ASTM D624
Compression Set			ASTM D395 B
73°F (23°C), 22 hr	22 %	22 %	
158°F (70°C), 22 hr	29 %	29 %	
257°F (125°C), 70 hr	47 %	47 %	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	75	75	ASTM D2240
Aging	Nominal Value (English)	Nominal Value (SI)	Test Method
Change in Volume			ASTM D471
257°F (125°C), 70 hr, in ASTM #3 Oil	69 %	69 %	

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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