

Technical Data Sheet**Softflex 6001**

Thermoplastic Vulcanizate
LyondellBasell Industries
Engineering Plastics

Product Description

A soft, black, thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for you in a wide range of applications. This grade can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Chemical Resistant	• Soft	
Uses	• Overmolding		
Appearance	• Black		
Processing Method	• Blow Molding	• Extrusion	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.910	0.908 g/cm ³	ASTM D792
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	600 psi	4.14 MPa	ASTM D412
Tensile Elongation (Break)	600 %	600 %	ASTM D412
Compression Set (73°F (23°C), 22 hr)	30 %	30 %	ASTM D395B
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	60 to 70	60 to 70	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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