

# StarTUFF TF 55-HR-1

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

StarTUFF TF 55-HR-1 is an easy processing TPE designed for injection molding.

Features

- Soft Touch
- Rubbery Feel
- High Tear strength
- High Tensile strength

General Information			
Features	Good Processability		
	Good Tear Strength		
	High Tensile Strength		
	Soft		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C)	1.53	MPa	ASTM D412
Tensile Strength (Yield, 23°C)	7.45	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	750	%	ASTM D412
Tear Strength	31.2	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (210°C, 11000 sec <sup>-1</sup> )	13.9	Pa·s	ASTM D3835

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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