

# Shida 101

Styrene Butadiene Styrene Block Copolymer

JINJIANG City SHIDA Plastic Fine Co., Ltd.

## Message:

TR Granules possess the characteristics of both thermosetting rubber and thermoplastic resin, which have been widely used to replace traditional vulcanized rubber such as NBR, BR, SBR, etc. TR Granules are compounded thermoplastic materials composed primarily of Styrenic Block Copolymer, supplied as granule to facilitate processing.

General Information			
Features	Recyclable materials		
	Workability, good		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55 - 60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	9.80 - 11.0	MPa	ISO 527-2
Tensile Strain (Break)	850 - 1000	%	ISO 527-2
Abrasion Loss	255 - 265	mm <sup>3</sup>	ISO 4649
Flex Resistance	> 50000		GB/T 3903
James Slip Resistance			ASTM D2047
Dry	1.05		ASTM D2047
Wet	1.04		ASTM D2047
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	30 - 32	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Rear Temperature	150 - 200	°C	
Middle Temperature	150 - 200	°C	
Front Temperature	150 - 200	°C	
Nozzle Temperature	150 - 200	°C	
Mold Temperature	20 - 40	°C	
Injection Rate	Moderate		

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