

Tufprene™ 125

Styrene Butadiene Styrene Block Copolymer
AKelastomers

Message:

Styrene/butadiene block copolymer with enhanced styrenic resins compatibility for heightened impact strength. High flowability. It is supplied in pellet form.

Applications:

Styrenic resins modifier, imparting increased impact strength, mainly for food containers.

General Information			
Features	Block Copolymer		
	High Flow		
	High Impact Resistance		
Uses	Food Containers		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	4.5	g/10 min	
200°C/5.0 kg	20	g/10 min	
Styrene/Butadiene	40/60		Internal Method
Viscosity - @ 25% solution in toluene (23°C)	570	mPa · s	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 23°C, 2.00 mm, Compression Molded)	88		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C, 2.00 mm)	4.30	MPa	ISO 37
Tensile Stress (Yield, 23°C, 2.00 mm)	20.0	MPa	ISO 37
Tensile Elongation (Break, 23°C, 2.00 mm)	800	%	ISO 37

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Recommended distributors for this material

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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