

Solprene® 4302

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Solprene 4302 is a linear block copolymer of styrene and butadiene, having 31% of styrene content, most of it forming a polystyrene block, which gives the polymer a thermoplastic behavior.

It has a non-staining antioxidant system; FDA approved, and is essentially gel free with a very clear color.

S-4302 is used as an ingredient for adhesives formulation, as an impact modifier for plastics and as an elastomeric modifier for asphalt mixtures used in paving and roofing.

It is presented as free flowing porous crumb making easy its handling and dissolution.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Block Copolymer		
	Food Contact Acceptable		
	High Clarity		
	Linear Polymer Structure		
	Low Gel		
Uses	Porous		
	Adhesives		
	Asphalt Modification		
	Plastics Modification		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Crumb		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Block Styrene ¹	> 29	%	
Solution Viscosity			
25% in toluene	890	mPa · s	ASTM D2994
5.23% in toluene ²	7.0	cSt	
Styrene Content	31	%	ASTM D5775
Volatile Matter	< 0.75	%	ASTM D5668
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	62		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	17.0	MPa	ASTM D412
Tensile Elongation (Break)	1300	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method

Glass Transition Temperature	-89.0	°C	ASTM E1356
NOTE			
1.	NM 202-07		
2.	NM 300-11		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

