

Stereon® 721AC

Styrene Butadiene Block Copolymer
Firestone Synthetic Rubber & Latex Co.

Message:

Stereon 721AC is a solution polymerized copolymer of butadiene and styrene that has been designed as a graftable rubber modifier for thermoplastic resins. The low solution viscosity of Stereon 721AC makes it particularly attractive for high rubber systems. Stereon 721AC also contains very low gel levels, comparable to Diene.

General Information			
Features	Low Gel		
	Low Viscosity		
Uses	Blending		
	Plastics Modification		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm³	ASTM D445
Mooney Viscosity (ML 1+4, 100°C)	35	MU	
Solution Viscosity ¹	29	mPa·s	
Bound Styrene	10.0	%	
Ash Content	0.2	wt%	
Block Styrene	7.0	%	
Color - APHA	5.0		
Inherent Viscosity - DSV	1.4		
Volatile Matter	0.40	wt%	
Dissolving Time (25°C)	2.0	hr	
Recovery - Williams ²	4.00	mm	
Toluene Insolubles	0.00200	wt%	
Williams Plasticity - Y3	5.00	mm	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-92.0	°C	DSC
Optical	Nominal Value		
Refractive Index	1.525		
NOTE			
1.	5.43% in Toluene		
2.	R1		

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