

Styron SE PB-3501 Schkopau Low-cis Polybutadiene Rubber (PBR)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Composition: SE PB-3501 - Schkopau is a low-cis polybutadiene synthetic rubber. It is produced by anionic solution polymerization adjusted for a very high level of branching. SE PB-3501 - Schkopau is translucent to white in appearance and contains a non-staining stabilizer which complies with compositional requirements of the food packaging regulations of European countries and the USA (Styron may be consulted regarding applicable regulations)Application: SE PB-3501 is used to manufacture Mass-ABS or transparent/high-gloss High-Impact Polystyrene. The high level of branching in combination with grafting processes supported by reactive vinyl-groups in SE PB-5800 " Schkopau enable the very small rubber particle size required by these applications.Information provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-SE-PB-3501-Schkopau-Low-cis-Polybutadiene-Rubber-PBR.php

Physical Properties	Metric	English	Comments
Volatiles	0.20 % @Treatment Temp. 105 °C, Time 3600 sec	0.20 % @Treatment Temp. 221 °F, Time 1.00 hour	5 g in hot air oven; ASTM D5668
Viscosity	45 cP	45 cP	5% max in styrene solution at 25°C; ASTM D455
Mooney Viscosity	45 @Temperature 100 °C	45 @Temperature 212 °F	[MU] ML 1+4; ASTM D1646
Ash	0.050 %	0.050 %	ASTM D5667

Descriptive Properties	Value	Comments
Color	5 APHA	
Composition	0.1	Vinyl content, FTIR
	0.39	Cis-1,4 content, FTIR
Gel rating	1-2	

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