

Dow SE PB-5800 Low-cis polybutadiene rubber (lithium-catalyzed) for plastics modification

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

Material Notes:

SE PB-5800 is a low-cis polybutadiene synthetic rubber. It is produced by anionic solution polymerization which affords polymers with very controlled micro- and macrostructure. SE PB-5800 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. SE PB-5800 is used to manufacture toughened polystyrene or ABS, supporting grafting processes with its content of reactive vinyl groups. SE PB-5800 is supplied in bales weighing 30 kg. Bales are wrapped in 70 micron polystyrene film. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-SE-PB-5800-Low-cis-polybutadiene-rubber-lithium-catalyzed-for-plastics-modification.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	175	175	[mPa·s]; in 5% mass in styrene solution; ASTM D445
Mooney Viscosity	50 @Temperature 100 °C	50 @Temperature 212 °F	[MU]; ML 1+4; ASTM D1646
Vinyl Acetate Content	11 %	11 %	Supplier Method (FTIR)
Ash	0.050 %	0.050 %	ASTM D5667
Collected Volatile Condensable Material	0.40 %	0.40 %	ASTM D5668
ASTM Color	5.0	5.0	[APHA]; Supplier Method

Processing Properties	Metric	English	Comments
Shelf Life	>= 12.0 Month	>= 12.0 Month	

Descriptive Properties	Value	Comments
Cis-1,4 Content %	37	Supplier Method (FTIR)
Wet Gel Index	1.5	Supplier Method

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