Calprene® 711

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene is a new 70/30 butadiene/styrene Thermoplastic copolymer, polymerized in solution and having a radial structure. This product is stabilized with a non-staining antioxidant system, essentially gel free with a very clear color. Calprene 711 is a BHT* and nonylphenol free SBS, FDA approved and especially suitable for food contact applications. Calprene 711 develops high viscosity compounds and requires being formulated with complementary antioxidants. (Consult our Technical Service Department for supporting information) Calprene 711 is supplied in porous crumb. APPLICATIONS: Technical compounding Plastic modification Bitumen modification Adhesives

Additive Antioxidant Features Antioxidant BHT Free Branched Polymer Structure Copolymer Food Contact Acceptable High Clarity High Clarity High Viscosity Low Gel Porous Porous Uses Adhesives Asphalt Modification Compounding Plastics Modification Compounding Plastics Modification Compounding Appearance Clear/Transparent Forms Crumb Physical Nominal Value Unit				
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FormsCrumbProcessing MethodCompounding	FDA Food Contact, Unspecified Rating			
Processing Method Compounding	Clear/Transparent			
	Crumb			
Physical Nominal Value Unit Test	Compounding			
	Method			
Ash Content < 0.35 % ASTN	D5667			
Color - Hunterlab < 3.0 ASTN	E313			
Solution Viscosity				
25% in toluene : 25°C ¹ 19 Pa·s				
5.23% in toluene ² 26 cSt				

Styrene Content	30	%	ASTM D5775
Volatile Matter	< 0.50	%	ASTM D5668
Insolubles - in toluene, 325 mesh ³	< 0.10	%	
NOTE			
1.	MA 04-3-064		
2.	MA 04-3-003		
3.	MA 04-3-018		

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