

Calprene® 487

Styrene Butadiene Styrene Block Copolymer

Dynasol Elastomers

Message:

Calprene 487 is a 45/55 Butadiene/Styrene thermoplastic copolymer, polymerized in solution. It has a radial structure and is extended with 40 phr of paraffinic oil.

This product is presented in pellet form and has very adequate flow properties for compounding articles intended for injection.

APPLICATIONS:

Footwear

Sportswear

Mechanical rubber goods

General Information			
Features	Branched Polymer Structure		
	Copolymer		
	Good Flow		
Uses	Compounding		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	14	g/10 min	ASTM D1238
Oil Type (Paraffinic Oil)	40.0	phr	
Ash Content	< 0.35	%	ASTM D5667
Color - Hunterlab	2.0		ASTM D1925
Oil	29	%	ASTM D5774
Styrene Content	55	%	ASTM D5775
Volatile Matter	0.40	%	ASTM D5668
Abrasion	140	mm ³	DIN 53516
Insolubles - in toluene, 325 mesh ¹	< 0.10	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	88		ASTM D2240
NOTE			
1.	MA 04-3-018		

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