HIPREN® EM 1500 T

Emulsion Styrene Butadiene Rubber

HIP-PetroHemija

Message:

HIPREN® EM 1500 T is produced by cold copolymerisation process, with the use of rosin acids soaps as emulsifiers, and contains 23.5% styrene bounded in polymer. The rubber is stabilised with staining antioxidant added during the production process.
HIPREN® EM 1500T is dark coloured, without nitrosoamine.
HIPREN® EM 1500 T is compatible with natural rubber and other synthetic rubbers. Good compatibility, easy incorporation of various compounding ingredients provide possibility of mixing formulations for different applications requirement.
Application:
HIPREN EM 1500 T is used for production of wide range products including simple small articles, moulded and pressed products, light pneumatics and heavy conveyer belts, hoses, tires etc.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
Uses	Belts/Belt Repair Blending Compounding Hose Pneumatic Applications Tire Repair		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Compounding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Mooney Viscosity (ML 1+4, 100°C)	51	MU	ISO 289
Bound Styrene	23.5	%	ISO 2453
Ash Content	0.4	wt%	ISO 247
Organic Acid	6.6	wt%	ISO 7781
Soap	0.5	wt%	ISO 7781
Stabilizer	0.4	wt%	
Volatile Matter	0.50	wt%	ISO 248
Cure Time			ISO 6502
50%	7.5 to 11.5	min	
90%	14.2 to 19.2	min	
Scorch Time	2.9 to 4.9	min	ISO 6502
Torque			ISO 6502
Max	19.0 to 23.0	dNm	
Min	2.00 to 3.00	dNm	
Hardness	**Nominal Value**	**Unit**	**Test Method**

Shore Hardness [1] (Shore A)	63 to 71		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress [2] (300% Strain, 145°C)	11.7 to 16.7	MPa	ISO 37
Tensile Stress [3] (Break, 145°C)	> 23.0	MPa	ISO 37
Tensile Elongation [4] (Break, 145°C)	> 400	%	ISO 37
Bayshore Resilience [5]	> 40	%	ISO 4662
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.5	°C	ASTM D1525
NOTE			
1.	Vulcanization temperature 145°C; Vulcanization time 35 min; Test specimen SI		
2.	Vulcanization temperature 145°C; Vulcanization time 35 min; Test specimen SI		
3.	Vulcanization temperature 145°C; Vulcanization time 35 min; Test specimen SI		
4.	Vulcanization temperature 145°C; Vulcanization time 35 min; Test specimen SI		
5.	Vulcanization temperature 145°C; Vulcanization time 35 min; Test specimen SI		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT