HIPREN® EM 1502 T

Emulsion Styrene Butadiene Rubber

HIP-PetroHemija

Message:

HIPREN® EM 1502 T is produced by cold copolymerisation process, with the use of rosin and fatty acids soaps as emulsifiers, and contains 23.5% styrene bounded in polymer. The rubber is stabilised with non-staining antioxidant. HIPREN® EM 1502 T is light coloured, without nitrosoamine.
HIPREN® EM 1502 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 1502 T is used for production of light coloured compounds and products requiring high transparency including light coloured wheel sides, sport goods, flooring, medical and house hold articles.
HIPREN® EM 1502 T has Health Certificate issued by Institute for Health Protection of Serbia

General Information	
Additive	Antioxidant
Features	Antioxidant Stain Resistant
Uses	Compounding Flooring Maintenance/Repair Household Goods Medical/Healthcare Applications Sporting Goods Transparent or Translucent Parts Wheels
Agency Ratings	EC 1907/2006 (REACH) ISO 14001
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	6.0	wt%	ISO 7781
Soap	0.5	wt%	ISO 7781
Stabilizer	0.1 to 1.0	wt%	Internal Method
Volatile Matter	0.50	wt%	ISO 248
Cure Time			ISO 6502
50%	6.5 to 10.5	min	
90%	12.5 to 17.5	min	

Scorch Time	2.5 to 4.5	min	ISO 6502
Torque			ISO 6502
Max	20.5 to 24.5	dNm	
Min	2.00 to 3.00	dNm	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness [1] (Shore A)	66 to 74		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (300% Strain, 145°C)	14.4 to 19.4	MPa	ISO 37
Tensile Stress [3] (Break, 145°C)	> 22.0	MPa	ISO 37
Tensile Elongation [4] (Break, 145°C)	> 350	%	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