Emulsion Styrene-Butadiene Rubber



1ndiapol SBR-1723

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About Product:

Synthetic rubber Indiapol SBR-1723 is oil-extended copolymer of styrene and butadiene, obtained by cold emulsion polymerization method with the use of rosin and fatty acid soaps. The copolymer is extended with Treated Distillate Aromatic Extracts (TDAE) oil. The polymer is stabilized by staining antioxidant. It provides easier incorporation of filler and maintaining good processability.

Product Summary:		
Physical form	Dark Brown colored bale wrapped in easily dispersible PE film	
Packaging	Individual bales having weight ~35kg are wrapped in PE film. Product is available in returnable metal crates consisting of 36 bales or individual paper bag.	
Shelf Life	1 years from the date of manufacture.	
Storage condition	The product should be stored in its original packing at ambient temperature in dry conditions away from heat, ultraviolet or direct sun light.	
Safety Guidelines	Refer Safety Data Sheet for detailed information on product safety.	
Applications	Tyre, conveyor belt, hose & mechanical rubber goods.	

Product Specification:				
Parameters	Limit	Test Method		
Mooney viscosity ML 1+4 (100 °C), M	49 ± 7	ASTM D 1646		
Organic acids, % wt	3.90-5.70	ASTM D 5774		
Soap, % wt	0.50 max.	ASTM D 5774		
Bound styrene, % wt	23.5 ± 1.0	ASTM D 5775		
Volatile matter, % wt	0.75 max.	ASTM D 5668		
Ash content, % wt	1.0 max.	ASTM D 5667		
Oil content, % wt	27.3 ± 2.0	ASTM D 5774		
Compound properties (ASTM D 3185 Table 2B recipe), Curing 145 °C × 35 min:				
Tensile Strength, Kg/Cm ²	180 min.	ASTM D 412		
Modulus (300%), Kg/Cm2	110 ± 20	ASTM D 412		
Ultimate Elongation, %	420 min.	ASTM D 412		

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