Mediprene® 500120M

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

Mediprene thermoplastic elastomers are suitable for a wide variety of uses in the medical and pharmaceutical market and new applications are being developed all the time. Mediprene compounds combine the performance of vulcanised rubbers with the processing properties of thermoplastics, delivering sophisticated design opportunities through a wide and flexible range of products.
Thermal and mechanical properties can be designed into the formulations and Mediprene compounds are fully recyclable and thus fulfil environmental requirements. Mediprene thermoplastic elastomers have proven to be strong alternatives as replacement for PVC. They are completely synthetic and latex free thereby minimizing allergy risks.
The right TPE formulation is the key to a safe and successful medical product. When a standard formulation does not meet the needs of a unique application, we will apply our expertise in formulating a custom solution.

General Information			
Features	Good Chemical Resistance Good Flexibility Good Weather Resistance		
Uses	Medical/Healthcare Applications		
Appearance	Translucent		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.880	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	12		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
--	4.00	MPa	
100% Strain	0.200	MPa	
300% Strain	0.500	MPa	
Tensile Elongation (Break)	> 800	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	23.0	kN/m	ASTM D624

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