

## Total Finaprene® 411x Styrene-Butadiene TPE Copolymer Compounded to 58 Shore A (discontinued \*\*)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE , Styrene-Butadiene

### Material Notes:

Styrene-Butadiene Copolymer Description: Finaprene® 411x is a thermoplastic elastomer type radial styrene-butadiene block copolymer. Thanks to its high molecular weight, Finaprene® 411x provides excellent mechanical and elastic properties to compound. Applications: Thanks to its high molecular weight Finaprene® 411x is designed for the compounding industry. This crumb shape, along with the high molecular weight confer a quick and important oil absorption capacity to the polymer and lead to the production of economical compounds while keeping good mechanical properties. Content of the compound for which the listed properties apply: F484: 72F435: 37F411X: 15Oil: 41GPPS: 20HIPS: 20CaCO3: 15Additional Notes: DIN Abrasion: 190 mm<sup>3</sup>Rosflex 100%: 43000 cyclesRosflex 300%: 80000 cyclesRosflex 500%: 112000 cyclesData provided by Total Petrochemicals.Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Finaprene-411x-Styrene-Butadiene-TPE-Copolymer-Compounded-to-58-Shore-A-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Finaprene-411x-Styrene-Butadiene-TPE-Copolymer-Compounded-to-58-Shore-A-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Viscosity Measure	25 cSt	25 cSt	Toluene Solution; Finaprene 1008 Test
Melt Flow	29 g/10 min @Load 5.00 kg, Temperature 190 °C	29 g/10 min @Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	Finaprene 1505 Test
Tensile Strength, Ultimate	5.10 MPa	740 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	unusually low elongation - error in manufacturer testing?; ASTM D638
Flex Crack Resistance	43000	43000	cycles per Rosflex 100%
	80000	80000	cycles per Rosflex 300%
	112000	112000	cycles per Rosflex 500%
Abrasion	190	190	mm <sup>3</sup> ; DIN Abrasion

## Contact Songhan Plastic Technology Co.,Ltd.

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