# KRATON® D1102 E

### Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

#### Message:

Kraton D1102 E is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 28.5% mass. It is supplied from Europe in the physical form(s) identified below in the grade nomenclature:

D1102 ET - supplied as porous pellets dusted with talc

D1102 ES - supplied as porous pellets dusted with amorphous silica

D1102 ESM - supplied as powder dusted with amorphous silica

D1102 EU - supplied as porous pellets undusted

Kraton D1102 E is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Coating Applications		
	Compounding		
	Sealants		
Appearance	Clear/Transparent		
Forms	Pellets		
	Powder		
Processing Method	Coating		
	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm³	ISO 2781
Apparent Density	0.40	g/cm³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ISO 1133
Antioxidant Additive	> 0.15	%	Internal Method
Ash Content			ISO 247
ES	0.15 to 0.40	%	
ESM	2.5 to 5.0	%	
ET	0.15 to 0.40	%	
Polystyrene Content	27 to 30	%	Internal Method
Solution Viscosity - (Toluene) 25%wt		_	
(25°C)	0.75 to 1.5	Pa·s	Internal Method
Total Extractables	< 1.0	%	Internal Method

Volatile Matter       < 0.30						
HardnessNominal ValueUnitTest MethodDurometer Hardness (Shore A, 30 sec, Compression Molded)66ISO 868ElastomersNominal ValueUnitTest MethodTensile Stress <sup>1</sup> (300% Strain)2.90MPaISO 37Tensile Strength <sup>2</sup> (Yield)33.0MPaISO 37Tensile Elongation <sup>3</sup> (Break)880%ISO 37NOTETypical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solution2.Typical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solution1.Typical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solutionTypical properties determined on film cast from toluene solution	Volatile Matter	< 0.30	%	Internal Method		
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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

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

