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	%	Internal Method
Diblock Content	17.0		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 30 sec, Compression Molded)	66		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (300% Strain)	2.90	MPa	ISO 37
Tensile Strength [2] (Yield)	33.0	MPa	ISO 37
Tensile Elongation [3] (Break)	880	%	ISO 37
NOTE			
1.	Typical properties determined on film cast from toluene solution		
2.	Typical properties determined on film cast from toluene solution		
3.	Typical properties determined on film cast from toluene solution		

Recommended distributors for this material

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