

KRATON® D1157 E

Styrene Butadiene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton D1157 E is a clear, linear block copolymer based on styrene and butadiene with bound styrene of 29.5% mass. It is supplied from Europe in the physical form(s) identified below in the grade nomenclature:

Kraton D1157 ES - supplied as porous pellets dusted with amorphous silica

Kraton D1157 ETM - supplied as powder dusted with talc for the North American market

Kraton D1157 E is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
Uses	Adhesives		
	Asphalt Modification		
	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/cm ³	ISO 2781
Apparent Density	0.40	g/cm ³	ASTM D1895B
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.5 to 6.5	g/10 min	ISO 1133
Antioxidant Additive	> 0.15	%	Internal Method
Ash Content			
ES	0.10 to 0.40	%	ISO 247
ETM	4.0 to 6.0	%	Internal Method
Polystyrene Content	29 to 31	%	Internal Method
Solution Viscosity - (Toluene) 25%wt (25°C)	1.3 to 1.9	Pa · s	Internal Method
Total Extractables	< 1.0	%	Internal Method
Volatile Matter	< 0.30	%	Internal Method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, Compression Molded)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain)	2.90	MPa	ISO 37
Tensile Strength ² (Yield)	28.0	MPa	ISO 37
Tensile Elongation ³ (Break)	800	%	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 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

