

K0108
South America

Kraton® D4270B Polymer

Data Document

Description

Kraton® D4270B is an oiled, branched copolymer based on styrene and butadiene with a polystyrene content of 32%. It is supplied from South America in the physical form identified below.

- D4270BT supplied as a dusted porous pellet
- D4270BS supplied as a dusted porous pellet

Kraton D4270B is used for formulating compound for footwear and general purpose applications.

Sales Specifications

Property	Test Method	Units	Sales Specification Range
Ash (Product Form "S" or "T")	ISO 247-B	% mass	0.5 max.
Bound styrene	KM03	%mass	31-33
Volatile matter	KM04	%mass	0.7 max.
Total extractables	KM05	%mass	30.5-32.5
Antioxidant content	KM 07	%mass	0.4 min.

Typical Properties (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value
Bound styrene	KM03	%mass	32
Melt flow rate 200°C/5kg	ISO 1133	g/10 min	15
Specific gravity	ISO 2781	Mg/m ³	0.94
Bulk density	ASTM D1895 method B	Mg/m ³	0.4
Hardness ^[a]	ISO 868	Shore A (15s)	46
Tensile strength ^[b]	ISO 37	MPa	12
Elongation at break ^[c]	ISO 37	%	1100
Modulus 300% ^[b]	ISO 37	Mpa	1.9
Abrasion ^[d]	DIN 53516	mm ³	100

^[a] Measured on films cast from a solution in toluene

^[b] Measured on compression molded slabs

^[c] Measured on polymer compression molded at 300 deg F

^[d] Measured on compression moulded slabs

Packaging

Kraton Polymers are available in a number of different package types. For information specific to this grade, please contact your local Kraton Polymers representative.