

Vistalon™ 722 / 1703 EPDM rubber medium voltage insulation – 80 Shore A

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Model formulation	Phr ¹
Vistalon™ 722	92
Vistalon 1703P	8
Translink™ 37 clay	60
TMQ	1.5
Vinyltri(2-methoxyethoxy) silane	1.0
Zinc oxide	5.0
ERD 90 (red lead)	5.0
Paraffin wax	5.0
Escorene™ LD 400 (LDPE)	5.0
DiCup™ 40KE	6.5
Total (phr)	189.0

¹ Parts per hundred dry rubber.

Rheology	Test methods (based on)	Unit	Typical values*
Mooney viscosity, ML (1+4), 125°C	ASTM D1646	MU	20
Mooney scorch, 132°C	ASTM D1646		
t3		minutes	25.9
Rheometer (ODR), 200°C, 6 minutes, 3 degree arc	ASTM D2084		
ML		dN/m	5.3
MH		dN/m	68.9
ts2		minutes	0.7
t90		minutes	2.1

* Values given are typical and should not be interpreted as a specification.

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Properties	Test methods (based on)	Unit	Typical values*
Physical properties, cured 20 minutes at 165°C			
Hardness (3 seconds)	ASTM D2240	Shore A	79
100% modulus	ASTM D412	MPa	4.2
Tensile strength	ASTM D412	MPa	10.3
Elongation at break	ASTM D412	%	400
Hot air aging, 14 days at 150°C			
Hardness (3 seconds)	ASTM D2240	Shore A	81
100% modulus	ASTM D412	MPa	4.7
Tensile strength	ASTM D412	MPa	10.0
Elongation at break	ASTM D412	%	440

* Values given are typical and should not be interpreted as a specification.

Vistalon™ EPDM rubber provides easy processing with excellent electrical properties for flexible low- and medium-voltage cables. For detailed product information, please consult the individual grade datasheets available at vistalon.com.

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