

Product Texts

Riteflex 425 is a nominal 25 Shore D thermoplastic polyester elastomer with low modulus and outstanding low temperature impact, and tear resistance.

Flammability at thickness h (1.5 HB mm)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.2	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	16	MPa	ISO 527
^[C] Stress at 50% strain	3	MPa	ISO 527
^[C] Strain at break	>50	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	N	kJ/m ²	ISO 179/1eA
^[C] Stress at 10% elongation	2	MPa	ISO 527
^[C] Tear strength	61	kN/m	ISO 34-1
^[C] Shore D hardness	24	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	155	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 0.45 MPa	42	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	250	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	5.1	-	IEC 62631-2-1
^[C] Volume resistivity	2E12	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	2E14	Ohm	IEC 62631-3-2
^[C] Electric strength	24	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.8	%	Sim. to ISO 62
^[C] Density	1060	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

High impact or impact modified