

Product Texts

ESTANE® 58212 NAT 025 is an aromatic polyether-based thermoplastic polyurethane.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	50	MPa	ISO 527
Stress at 100% elongation	11	MPa	ISO 527
Stress at 300% elongation	28	MPa	ISO 527
Strain at break TPE	500	%	ISO 527
Tear strength	95	kN/m	ISO 34-1
Abrasion resistance	32	mm ³	ISO 4649
Shore A hardness	93	-	ISO 7619-1
Shore D hardness	42	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	80	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1150	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Feed temperature	40	°C	-
Zone 1	200	°C	-
Zone 2	205	°C	-
Zone 3	210	°C	-
Zone 4	210	°C	-
Nozzle temperature	205	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Zone 1	180	°C	-
Zone 2	185	°C	-
Zone 3	190	°C	-
Zone 4	195	°C	-
Nozzle temperature	195	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Natural Color