

Desmopan 3864D

(TPU-ARES+ABS)

Covestro Deutschland AG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	400	MPa	ISO 178
Tensile Strength	54	MPa	ISO 37
Strain at break	400	%	ISO 37
Abrasion resistance	40	mm ³	ISO 4649
Shore D hardness	64	-	ISO 7619-1
Other Standards^{S1}			
Stress at 10% elongation	20	MPa	DIN 53504
Stress at 100% elongation	30	MPa	DIN 53504
Stress at 300% elongation	46	MPa	DIN 53504

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Melt temperature	240 - 245	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding

Applications

Sports Equipment

Regional Availability

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