



Desmopan 3864D
(TPU-ARES+ABS)

Covestro Deutschland AG

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Flexural Modulus (23°C)	400	MPa	ISO 178
Abrasion resistance	40	mm ³	ISO 4649
Shore Hardness D (15s)	64	-	ISO 868
Tensile Strength	54	MPa	ISO 37
Strain at Break	400	%	ISO 37
Tensile Stress (10% Elongation)	20	MPa	DIN 53504
Stress at 100% Elongation	30	MPa	DIN 53504
Stress at 300% Elongation	46	MPa	DIN 53504

Other Properties	Value	Unit	Test Standard
ISO Data			
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