

APILON™ 52 TCLE 40 AF

TPU

Trinseo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Abrasion resistance	50	mm ³	ISO 4649
ASTM Data			
Tensile Strength	28	MPa	ASTM D 638
Elongation at Break	710	%	ASTM D 638
Modulus at 100% Elongation	5.9	MPa	ASTM D 412
Modulus at 300% Elongation	9.3	MPa	ASTM D 412
Shore A Hardness	84	-	ASTM D 2240
Tear Strength	82	kN/m	ASTM D 624
Izod Impact notched, Low-Temperature	N	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Other properties			
Density	1150	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Other Extrusion

Chemical Resistance

Hydrolytically Stable, Oil Resistance

Regional Availability

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