

PRODUCT DATA SHEET APILON 52 D Series

A family of high quality polyester-based TPUs with excellent hydrolysis, UV and low temperature resistance. Suitable for manufacture of technical products by injection moulding.

GRADE: **D 50 L**

PROPERTY	TEST METHOD	DATA
Relative Density	DIN 53457	1.22
Hardness	DIN 53505 / ASTM D 2240	95 °A 50° Shore D
Tear Strength (un-notched)	DIN 53515 / ASTM D624	135 KN/m
Tensile Modulus 100 % 300 %	DIN 53504 / ASTM D 638	10.5 Mpa 23.0 Mpa
Tensile Strength	DIN 53504 / ASTM D 638	47.0 MPa
Elongation at break	DIN 53504 / ASTM D 638	500 %
Izod Impact strength (notched) +23°C -20°C	ASTM D256	No break No break
Flexural modulus	ASTM D790	70 MPa

