

PRODUCT DATA SHEET APIILON 52 F Series

A family of high quality polyester-based TPUs with excellent hydrolysis and low temperature resistance. Also available in UV resistant versions giving improved resistance to light. Suitable for manufacture of technical products by injection moulding.

GRADE: **F 55 L**

PROPERTY	TEST METHOD	DATA
Relative Density	DIN 53457	1.2
Hardness	DIN 53505 / ASTM D 2240	55° Shore D
Tear Strength (un-notched)	DIN 53515 / ASTM D624	130 KN/m
Tensile Modulus 100 % 300 %	DIN 53504 / ASTM D 638	10.5 Mpa 15.5 Mpa
Tensile Strength	DIN 53504 / ASTM D 638	48.0 MPa
Elongation at break	DIN 53504 / ASTM D 638	600 %
Izod Impact strength (notched) +23°C -20°C	ASTM D256	No break 120 J/m
Flexural modulus	ASTM D790	100 MPa

