



Material Data Sheet

xPA11



General

xPA11 is a biocompatible nylon material that is durable and flexible, making it optimal for use in exterior medical applications.

Technical Data

General properties		
Melt. point Standard grades Invent grades	ISO 11357	186-190°C 201°C
Vicat point	ISO 306	181°C

General properties		
Tensile modulus	ISO 527	1500 MPa
Tensile strength at yield		45-50 MPa
Elongation at yield		18-24%
Tensile strength at break		45 MPa
Elongation at break		45%
Flexural modulus	ISO 178 (23°C)	1200 MPa
Shore D hardness	ISO 868 (20°C)	77
Impact strength (Charpy – unnotched)	ISO 179 1eU (23°C)	No break