



TECHNICAL DATA SHEET

Product: AROFLOW AF 514 Green Plus

DESCRIPTION OF THE PRODUCT

Formulated polyol to be used in combination with Hardener AF 514 GP for the production of compact polyurethane mainly destined to the furniture sector. The product may be used with inert vitreous charges.

TYPICAL PROPERTIES

Aspect : colourless liquid
Viscosity at 25°C, mPa·s : 150 ca.
Specific gravity at 25°C : 1.07

PROCESS CONDITIONS AND PERFORMANCES

Aroflow AF 514 Green Plus : pbw 100
Hardener AF 514 Green Plus : pbw 80
Polyol temperature, °C : 24 - 26
Isocyanate temperature, °C : 24 - 26
Moulds temperature, °C : 30 - 40
Demoulding time, min : 6 - 7

BENCH REACTION TIMES

Components temperature, °C : 24 - 26
Gel time, s : 80 - 100
Density, kg/m³ : 1.08
Shore D at 25°C : 73 - 75

TESTS ON THE MOULDED PIECES

Axial withdrawal of screws from the surface..... EN 320:1993
N : 5.525

Shock resistance Charpy UNI EN ISO 179-1:2007
kJ/m² : 36,3

Tensile strength EN ISO 527:1996
Tangent modulus of elasticity, MPa: 1'932
Tensile strength, MPa : 35 (6,4 %)

Bending resistance..... EN ISO 178:2003
Modulus of elasticity, MPa : 1'708
Bending resistance, MPa : 61,8

Hardness Shore EN ISO 868/97 - Lab. Pozzi
Shore D : 74



STORAGE AND HANDLING

The product shall be stored into well closed containers, protected by atmospheric moisture, preferably at a temperature between 15 and 25°C.
During the handling gloves and protection goggles shall be used.
Shelf life: 6 months into sealed containers.

HEALTH AND SAFETY PRECAUTIONS

For more detailed information, please refer to the Safety data sheet of the product.

SUPPLY

Drums of 200 Kg (net weight) each.

All above information is given in accordance to our experience. It is provided for guidance purpose only and we do not assume any liability for the results obtained therefrom, as neither for its utilization.