



DATASHEET

FIREPROOF PIPE MATERIAL

POLIDUX **REPSOL** A - 830

Product description

POLIDUX ABS A-830 is specially indicated for extrusion and thermoforming and is shockproof. It has a medium gloss finish and high rigidity combined with excellent impact at low temperatures.

Applications

The most widespread uses of POLIDUX A-830 include electrical and electronic components for the military industry, radio and TV and, in general, all kinds of parts that require self-extinguishing properties.

Properties

Properties	Data	Unit	Standard	
			ASTM	ISO
<u>MECHANICAL</u>				
Notched 12.7 x 12.7 mm sample at 23°C				
RESISTANCE TO TRACTION				
Elastic limit	17	kJ/m ²	D-256-A	180
Breaking point	325	kgf/cm ²	D-638	527
RESISTANCE TO STRETCHING				
Elastic limit	280	kgf/cm ²	D-638	527
Breaking point	2.2	%	D-638	527
Traction module	30	%	D-638	527
<u>THERMAL</u>				
Vicat (1 kg – 50° C/h)				
Vicat (5 kg – 50° C/h)	100	°C	--	R 306
HDT (18.6 kg/cm ²).	89	°C	--	R 306
Maximum working temperature	85	°C	--	75
Minimum working temperature	80	°C		
<u>FLAMMABILITY</u>				
Vertical combustion test according to UL-94	-30	°C		
	V0	-		

The mechanical properties have been measured at 23°C and 50% RH.

DOWER SECURITY uses this raw material to manufacture FIREPROOF pipes for its aspiration systems.

POLIDUX A-830 - FIREPROOF (classified as V-O according to the UL-94 standard)

*Data provided by POLIDUX - **REPSOL***