

# JUNKIN SAFETY APPLIANCE COMPANY

INCORPORATED

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**JUNKIN**  
ENGINEERED  
SAFETY

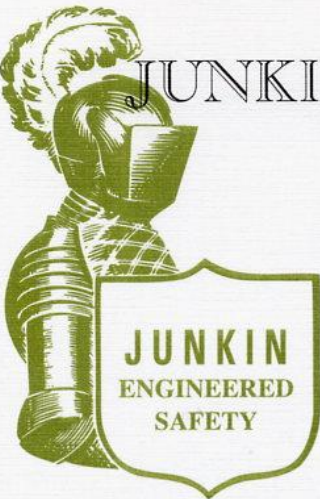
## CERTIFICATE OF CONFORMANCE

THE JSA-200, PLASTIC SPLINT STRETCHER, IS BUILT IN  
ACCORDANCE  
TO ALL JUNKIN DRAWINGS AND SPECIFICATIONS.

LOAD CAPACITY: 1200 LBS.

MADE IN USA.

  
W. CHRIS MERCKE, PRESIDENT



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## LOAD TEST

JANUARY 25, 1993

JSA-200 , PLASTIC SPLINT STRETCHER  
JSA-200B, PLASTIC BREAKAPART STRETCHER

PROCEDURE: ONE JSA-200 AND JSA-200B WERE LOADED WITH 500 LBS. EQUALLY DISTRIBUTED THE LENGTH OF THE LITTER. THE LITTER WAS THEN LIFTED BY AN OVERHEAD HOIST USING A JSA-300X, LIFTING BRIDLE, ATTACHED TO THE RECOMMENDED ATTACHMENT POINTS. THE AMOUNT OF TEMPORARY DEFLECTION WAS THEN MEASURED. THE LITTER WAS THEN LOWERED TO THE GROUND AND THE AMOUNT OF PERMANENT DEFLECTION IN 50 LB. INCREMENTS AND DEFLECTIONS WERE MEASURED AS ABOVE STATED. NO SUBSTANTIAL DEFLECTIONS (EITHER TEMPORARY OR PERMANENT) WERE RECORDED.

AT 1200 LBS THE LITTER STARTED TO SHOW SIGNS OF DEFLECTION, THOUGH NOT ENOUGH TO CAUSE CONCERN. AT 1400 LBS., THE LITTER SHOWED A DEFLECTION OF MORE THAN 1 INCH, YET NEVER FAILED.

CONCLUSION: THE JSA-200 AND JSA-200B CAN SAFETY WITHSTAND A LOAD OF 1200 LBS. WITH NO DANGER TO THE PATIENT.

  
R. BRUCE MERCKE, VICE-PRESIDENT

# Fortiflex HDPE

## K50-10-136

Fortiflex® K50-10-136 is a high molecular weight, high density polyethylene copolymer. This product was developed for blowmolding automotive fuel tanks and other large parts, where the finished product demands outstanding physical performance. K50-10-136 combines excellent processability and environmental stress crack resistance (ESCR) with superior impact and other well-balanced end use properties.

Property	ASTM Test Method	Typical Values	
		English Units	SI Units
Density	D 4883	—	0.950 g/cc
Melt Index <sup>1</sup>	D 1238	—	10.0 g/10 min
Tensile Strength			
@ Yield (2 in/min)	D 638	3700 psi	25.5 MPa
Elongation			
@ Break (2 in/min)	D 638	800%	800%
Flexural Modulus <sup>2</sup>	D 790	165,000 psi	1136 MPa
Notched Izod Impact Strength	D 256	7.5 ft-lb/in*	0.4 kJ/m
Hardness (Shore D)	D 2240	63	63
Vicat Softening Point	D 1525	270°F	132°C
Brittleness Temperature	D 746	<-103°F	<-75°C
Deflection Temperature			
@ 66 psi	D 648	152°F	72°C
Environmental Stress Crack Resistance	D 1693A	>500 hrs	>500 hrs

(1/1/90)

<sup>1</sup> 190°C/21600 g

<sup>2</sup> Tangent-Method \*

\* Partial break

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Technical Service: 1-800-338-0489, Customer Order Service: 1-800-527-5419

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