

## KYDEX® P88

Fire-rated profile extrusion compound for mass transit applications

### INTRODUCTION

**KYDEX® P88 is a proprietary, high performance thermoplastic profile extrusion compound designed for use in mass transit interior applications for subways, vans, buses and trains.**

### GENERAL INFORMATION

KYDEX® P88 meets the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) requirements for smoke emission and flammability as tested under ASTM E-662 and ASTM E-162. It is the ideal thermoplastic to solve your mass transportation needs.

### SUGGESTED APPLICATIONS

- Extruded trim pieces to cover seams or exposed edges when mating or joining KYDEX® thermoplastic components

### FEATURES

- Meets flame spread and smoke development requirements listed in 49 CFR 238
- Easy to clean graffiti/spray paint, lipstick, pen, grease and grime with cleaners such as Soft Scrub®, Fantastik®, and citrus based cleaners such as Citri Kleen HD® (avoid ammoniated cleaners)
- Resistant to a wide range of concentrated chemicals and solvents, withstands frequent cleaning without staining or fading

### ENVIRONMENTAL & SAFETY CONSIDERATIONS

SEKISUI KYDEX is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health, and environmental protection. We support the safe handling of our products.

Please contact our appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: [www.kydex.com](http://www.kydex.com).



#### Customer Collaboration

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PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.40	
Density	ASTM D792	1.40 g/cm <sup>3</sup>	0.051 lb/in <sup>3</sup>
Water Absorption, 24 hr.	ASTM D570	0.09%	
Rockwell Hardness, R-scale	ASTM D785	98	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D-638	41 MPa	6,000 psi
Flexural Strength	ASTM D-790	63 MPa	9,200psi
Flexural Modulus	ASTM D-790	2,413 MPa	350,000 psi
Notched Izod Impact Resistance @ 23°C (73°F)	ASTM D-256	187 J/n	3.5 ft-lb/in
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) Annealed	ASTM D648	77.8°C	172.0°F
Coefficient of Thermal Expansion	ASTM E831	76.4 µm/m/°C	42.4 µin/in/°F
<b>FLAMMABILITY<sup>2</sup></b>			
Flammability: Independent Laboratory Testing	UL Standard 94	V-0	
Flammability: Independent Laboratory Testing	FMVSS 302	Pass	
Flammability: Flame Spread Index	ASTM E162	I <sub>s</sub> <35 No Burning Drip	
Flammability: Smoke Density	ASTM E662	D <sub>s</sub> (1.5) <100 D <sub>s</sub> (4.0) <100	
Flammability: Fire Behavior Classification	DIN 5510-2	0.9mm (S4, ST2, SR2) 6.80mm (S4, ST2, SR2)	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. <sup>2</sup> All thicknesses and colours Not intended for specification purposes.			



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