

Shinkolite PX

Polymethyl Methacrylate Acrylic
Mitsubishi Rayon Co., Ltd.

Message:

ShinkoLite-A PX200 is a Polymethyl Methacrylate Acrylic material. It is available in North America for thermoforming or vacuum forming.
Important attributes of ShinkoLite-A PX200 are:
Low to No Odor/Taste
Crosslinkable
Good UV Resistance
Good Weather Resistance
High Gloss
Typical applications include:
Aerospace
Household Applications

General Information			
UL YellowCard	E54695-244813	E54695-244814	
Features	Crosslinkable		
	Good UV Resistance		
	Good Weather Resistance		
	High Gloss		
	Low to No Odor		
	Low to No Taste		
Uses	Aircraft Interiors		
	Bathroom Accessories		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Pellets		
	Sheet		
Processing Method	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	100		ASTM D785
Barcol Hardness	52		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2960	MPa	ASTM D638

Tensile Strength (Break)	75.2	MPa	ASTM D638
Tensile Elongation (Break)	4.2	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	93.0	%	ASTM D1003

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