

Flexa W: Polypropylene-Like

Flexa W is a flexible plastic ideal for snap fit assemblies, vacuum casting master patterns, and for durable prototypes where it recreates the effect of molded polypropylene (PP). It is not only a highly flexible material, it also has good strength and is resistant to high humidity. By having a high degree of elongation but remaining robust and stable, this plastic is perfect for various forms of clip or snap fit products.

Advantages

- Flexible, high level of elongation
- Durable
- Very bright white
- Easy to process and finish



Applications

- Snap-fit parts and casings
- Any durable prototype

Flexa W TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear		Ec	7.5 mJ/cm ²	[critical exposure]
Viscosity	503 cps	@ 25°C (77°F)	Dp	0.13	[slope of cure-depth vs. ln(E) curve]
Density	1.13 g/cm ³	@ 25°C (77°F)			

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	1610-2200 MPa
ASTM D 638	Tensile Strength at Break	37-45 MPa
ASTM D 638	Elongation at Break	19-28%
ASTM D 638 @66PSI	Heat Deflection Temperature	20~33°C
ASTM D 790	Flexural Strength	64-81 Mpa
ASTM D 790	Flexural Modulus	1720-2200 Mpa
ASTM D 256	Izod Impact (Notched)	45-63 J/m
ASTM D 2240	Hardness Shore D	62

*These values may vary and depend on individual machine processing and post-curing practices.

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Photoreactive Resin

Product Name :
SKU# :
Weight : 10KGS
Date of Manufacturing :
LOT# : 030718ZLAR
Sealed and Stored in Dry Place at Room Temperature

Warning



1. Resin can be harmful, care should be taken at all times when handling
2. Touching the resin can cause irritation of the skin
3. Contact with eyes is likely to cause severe irritation
4. Accidental ingestion is extremely serious. If resin comes into contact with hands, do not touch the mouth or face
5. Liquid resin is extremely harmful to aquatic life, causing long-term damage
6. Avoid breathing in any dust / smoke/splatter/spray originating from the resin
7. Wash hands thoroughly after operation
8. Contaminated clothing should not be worn outside the working area. Always store correctly and do not dump. Dumping will cause significant environmental damage
9. Always wear protective gloves, goggles and facemask when operating
10. If swallowed seek immediate medical assistance
11. If resin comes into contact with skin wash thoroughly with soap, preferably in a shower
12. If there are signs of irritation or a rash seek medical assistance
13. If any resin enters the eyes wash with water for several minutes. After an initial period of washing, those wearing contact lenses should carefully take them out and wash the eyes with the lenses removed
14. Take them out and wash the eyes with the lenses removed
15. If the eyes are still irritated after washing seek medical assistance
16. Waste resin requires treatment from an approved waste treatment plant



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