

MATERIALS CATALOG

VACUUM CASTING

INITIAL
DESIGN & PRODUCTION
PRODWAYS

○ White
● Off-white
● Black
● Transparent
● Translucent
● Off-yellow Translucent
● Beige
● Amber
● Brown
● Color

2026	TYPE	REFERENCE	COLOUR	MOD.FLEX. (MPa) / HARDNESS	T°G (°C)	APPLICATIONS	CHARACTERISTICS	COMMENTS	CERTIFICATION
RIGID MATERIALS									
UV-RESISTANT COLORANT		OROSOLV				UV-resistant industrial colorants can be ordered in RAL shades.		Special order	
TRANSPARENT	ABS	PX 5210	● Transparent	2400 MPa 86 Shore D	80	Technical parts, ornamental and decorative objects.	Good UV resistance, ageing stability.		
IMPACT RESISTANCE	PC	PX 211	● Off-yellow Translucent	1200 MPa 76 Shore D	90	Examples: machine enclosure, remote control box, protective screen...	Good impact and UV resistance.	Coloring available. RAL to order.	ROHS
	PP-PE	PX 205	Cream to dark beige ● ●	500 MPa 70 Shore D	90	Stiff resin but good bending properties.	Excellent impact resistance.		
MULTI-USE	ABS	PX 223 MG 815	●	2300 MPa 80 Shore D	120 130	Examples: electronic box, card support, air box, water duct, clip-on parts...	Impact-resistant, good resistance to UV, seawater and salt air.	Recommended for painted and clip-on parts.	ROHS
	ABS	MG 804	○	2300 MPa 80 Shore D	75	Examples: technical parts, clip-on housings...	Good appearance without paint and good mechanical properties.	Coloring available. RAL to order.	ROHS
HIGH TEMPERATURE	PPS PEEK	PX 235	● Ambrée	1850w MPa 80 Shore D	220	Examples: mounting plates, automotive, technical parts in hot environments...	Very limited impact resistance.	Can be painted over.	ROHS
FIRE RESISTANT	ABS	MG 815 FR	●	3000 MPa 86 Shore D	122	Flame-retardant to UL94 V0 for part thickness > 3.5 mm.	Limited impact resistance.	V0 paint on request.	UL94 V0 Yellow Card : No
	ABS	PX 331	● Blanchâtre	3700 MPa 86 Shore D	100	UL94 V0 certification for part thickness > 3 mm; FAR 25 certification for part thickness > 1.5 mm.	Limited impact resistance.	V0 paint on request.	UL94 V0 FAR 25 Yellow Card : Yes
VERY HIGH MECHANICAL STRENGTH	POM / PA 6,6	PX 245	○	4500 MPa 85 Shore D	95	Examples: very rigid plastic housing, locking lever, harness...	Flexural and torsional strength. Limited impact resistance.	Multi-application.	

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FLEXIBLE MATERIALS									
FOOD GRADE SILICONE	Silicone	M 4670	● Beige	60 Shore A	200	Technology: seals, dampers, guidance, parts in hot environments.	Good mechanical strength.	Off-machine casting only. High viscosity.	FDA Food
SILICONE T°C	Silicone	RTV 3041	● Transparent	38 Shore A	200	Aesthetics: flexible, transparent parts. Technique: joint.	Good mechanical strength.	Off-machine casting only. High viscosity. Modulation of hardness by adding oil: 31,27,23,20 shA.	
ELASTO BLACK, WHITE, COLOR	PU	PX 8400 MG 956	● ● ●	45 > 90 Shore A	70	Aesthetic and technical: bracelet, gasket...	Good mechanical resistance. Limited UV resistance in white.	Creamy white color. RAL to order.	REACH/ROHS
RIGID MATERIALS									
 MEDICAL	Epoxy	EP 601	● Transparent	3500 MPA 80 Shore D	-55/+125°	Biocompatible.	Sterilizable by autoclave, X-ray, Gamma (compatible with other techniques: please consult us). Excellent impact resistance.	Special order. No coloring possible.	ISO 10993 USP Class IV FDA
	ABS	PX 280	● Off-white	2800 MPA 85 Shore D	80	Biocompatible. Complies with FDA 21CFR 177.2600 limits for repeated use.	Excellent resistance to impact and bending.	No coloring possible.	FDA Compliant 2002/72/CE 2007/19/CE

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