

Product Data Sheet



PLASTIC BONDER UV AND UV VISIBLE LIGHT CURE

Adhesive/plastic bonder	Viscosity [mPas]	Base	Curing*		Properties	Substrates
MCT PB271	2,700-3,700	epoxy	UV		High-temperature resistance	Bonding thermoplastics Bonding FR4 or ABS suitable for bonding pretreated PET
MCT PB2271	4,000-6,500	epoxy	UV		Very high adhesion to most thermoplastics low shrinkage high-temperature resistance	Bonding thermoplastics Bonding FR4 or ABS suitable for bonding pretreated PET
MCT PB374	70-150	acrylate	UV VIS		Capillary flow flexible and tear-proof adhesive suitable for potting dry surface	Bonding PC (Polycarbonate) hard-PVC, PET, ABS, SAN PMMA (Plexiglas®, acrylic glass) Joining glass and plastics Joining metals to plastics
MCTPB1374	900-1,500	acrylate	UV VIS		Dry surface after curing, biocompatible: certified to USP Class VI and ISO 10993-5 standards	Bonding PC /Makrolon, hard-PVC, PET, ABS, SAN, PMMA (Plexiglas®, acrylic glass) Bonding glass, steel, stainless steel, aluminum, brass
MCT PBV1374	4,000-8,000	acrylate	UV VIS		dry surface after curing flexible and tear-proof excellent adhesion to many plastics	bonding PC (Makrolon), hard-PVC, PET, ABS, SAN, PMMA (Plexiglas®, acrylic glass) joining glass and plastics joining metals to plastics

Adhesive/plastic bonder	Viscosity [mPas]	Base	Curing*		Properties	Substrates
MCT PBV2374	7,000-9,000	acrylate	UV VIS		Very high adhesion to many plastics dry surface after curing flexible and tear-proof	Bonding PMMA (Plexiglas®, acrylic glass), hard-PVC, PET, ABS, SAN, PC Joining glass and plastics Joining metals to plastics
MCT PBH5374	700-1,000	acrylate	UV VIS secondary heat cure		Very high adhesion to many plastics dry surface after curing flexible and tear-proof suitable for potting	Bonding PC, PMMA (Plexiglas®, acrylic glass), hard-PVC, PET, ABS, SAN Joining glass and plastics Joining metals to plastics
MCT 415	250-500	acrylate	UV VIS		Flexible, well suited for bonding plastics with low UV transluence and permeable to visible light, biocompatible: certified to USP Class VI standards	Bonding ABS, PMMA (Plexiglas®, acrylic glass), hard-PVC, PET, SAN, PC Joining glass and plastics Joining metals to plastics Joining plastics with various substrates
MCT PBV415	5,000-10,000	acrylate	UV VIS		High resistance to thermal stress and moisture flexible and stable	Bonding PET, PMMA (Plexiglas®, acrylic glass), PC, ABS, SAN, hard-PVC Joining plastics and glass Joining plastics and metals Joining plastics to various substrates
MCT PBV4407	10-100	acrylate	UV VIS		High peel strength - perfect solution for bonding large surfaces flexible	Bonding Latex, NBR, SBR, TPE, rubber
MCT PBV907	40-100	acrylate	UV VIS		Dry surface, very high adhesion to plastics, biocompatible: certified to USP Class VI standards	Bonding PC (Makrolon), hard-PVC, ABS, SAN

Adhesive/plastic bonder	Viscosity [mPas]	Base	Curing*		Properties	Substrates
MCT PB 7283	70-130	acrylate	UV VIS		Perfect solution for bonding large surfaces very high adhesion to glass metals and plastics resistant against all common sterilization methods	plastics /glass bonding suitable for elastic bonding of large surfaces
MCT PB1137	30-100	acrylate	UV VIS		High resistance to alcohols and moisture non-yellowing very high adhesion to plastics, glass and metals suitable for bonding large areas certified according to USP Class VI	Bonding PC (polycarbonate) PVC, PMMA, ABS, glass and metals
MCT PB3137	40-70	acrylate	UV VIS		Flexible high elongation at break perfect solution for bonding large surfaces very high adhesion to plastics glass and metals	Bonding plastics such as PC, PVC, ABS Bonding glass and metals
MCT 1367	100-300	acrylate				Bonding PMMA (Plexiglas®, acrylic glass), PC, PVC
MCT PB1467	10-100	acrylate	UV VIS		Specially formulated for bonding PMMA high adhesion capillary flow	Bonding PMMA (Plexiglas®, acrylic glass), PC, PVC

Adhesive/plastic bonder	Viscosity [mPas]	Base	Curing*		Properties	Substrates
MCT PB 2467	1,500-2,500	acrylate	UV VIS		Excellent adhesion to many plastics high bond strength excellent flow properties	Bonding PMMA (Plexiglas®, acrylic glass), PC, PVC
MCT PB 9897	3,000-5,000	acrylate	UV		Excellent adhesion to plastics, especially to PC and PMMA; biocompatible: certified to USP Class VI standards	Bonding hard-PVC, ABS, SAN, PUR, PC
MCT PBV419	1,000-2,000	acrylate	UV VIS		Flexible high resistance to moisture cures thick layers of adhesive	Bonding PMMA (Plexiglas®, acrylic glass), PC, PVC, ABS
MCT PBVH4315	15,000-25,000	acrylate	UV VIS secondary heat cure		Acrylate-Hybrid low thermal expansion low shrinkage impact resistant dry surface grey color	Bonding PMMA (Plexiglas®, acrylic glass), PC, PET, ABS, SAN, FR4, PBT, hard-PVC Bonding plastics and metals
MCT PBH815	4,000-6,000	epoxy	UV secondary heat cure		Perfect solution for bonding flexible circuit paths resistant to reflow processes grey color	thermoplastics PA
MCT PB3112	19,000-32,000	acrylate	UV VIS		Acrylate hybrid superior strength low thermal expansion impact resistant low shrinkage resistant to soldering stress excellent flow properties	Bonding PMMA (Plexiglas®, acrylic glass), PC, PET, ABS, SAN, FR4, PBT, hard-PVC Bonding plastics and metals

Adhesive/plastic bonder	Viscosity [mPas]	Base	Curing*		Properties	Substrates
MCT PB512	140-500	acrylate	UV VIS			Bonding PMMA, PC, hard-PVC, ABS, SAN, PET Bonding plastics in combination with glass or metals
MCT PBV-1B	1,000-1,500	acrylate	UV VIS		Elastic high peel strength optically clear very flexible suitable for potting	Bonding PC (Polycarbonate), PMMA Bonding plastics to glass
MCT PBV-1G	12,000-30,000	acrylate	UV VIS		Elastic high peel strength optically clear very flexible stable gel	Bonding PC (Polycarbonate), PMMA Bonding plastics to glass
MCT PBV-2N/LV	10-100	acrylate	UV VIS		Flexible perfect solution for bonding large surfaces high peel strength	Plastics and rubber bonding suitable for bonding PMMA, PC, hard-PVC, PET, ABS, SAN, FR4, PBT in combination with glass and metals
MCT PBVN	50-150	acrylate	UV VIS		Transparent elastic high peel strength	Bonding PC (Makrolon) PMMA (Plexiglas®, acrylic glass) Bonding plastics to glass