

Dual Cure (Heat + UV) Products

Our Dual Cure (DC) products find a growing number of applications as adhesives, coatings and sealants. All our Dual Cure materials are one component materials. They are cured by either UV radiation, Heat, or a combination of both. This feature enables curing in partially or fully shaded regions of the device.

The DC line includes both flexible and rigid products with a refractive index from 1.33 to 1.50, with relatively big selection close to the index of silica. These include DC-1455 (flexible, index=1.448 at 950 nm) and DC-1455-HM and (Rigid, index=1.451) The DC line also includes high bond strength products like DC-150 (flexible) and DC-1473 (rigid)

#	Material Name	RI at 589 nm	RI at 950 nm	Cure	Adhesion gr/cm	Elastic Modulus MPa	Viscosity CPS	Tensile Strength MPa	Elongation At Break %	Hardness Shore	Shelf Life Months
1	DC-133	1.335	1.330	UV/HE	5	3	2200	1.0	40	68	12
2	DC-136	1.366	1.360	UV/HE	180	9	600	2.4	70	83	12
3	DC-145	NA	1.449	UV/HE	1200	30	1900	6	150	84	12
4	DC-146	1.461	1.454	UV/HE	2000	17	1200	4.3	170	NA	12
5	DC-150	NA	1.478	UV/HE	>1000	23	1800	4	450	NA	12

