POLYSHAPE

Datablad PUR-Material

	8891 - 20A - 90A	120	65	777	700	752	1810	SG95	8263 (V-0)	5631 (V-0)	794 (5V)
Simulates	Rubber	PMMA/PC	HDPE / PP	PP or HDPE	ABS	ABS	PC / PMMA	ABS/PC	ABS	ABS	ABS
Color	White	Transparent	transp/amber	whiteish	Black	gold/transp	Transparent	Transparent	Translusent/vit	Black	Black
Properties	Low viscosity flexible rubber. Adjustable hardness.	Any need for flexible and semi-rigid parts, requiring high quality of transparency and UV resistance, even with high thickness. Very good transmittance between 400 and 700nm. Adapted to bi-components machines	Intermediate hardness between a rigid product and a rubber-like material. High impact resistance and flexibility, good for living hinge.	Any need for semi-flexible part with high impact resistance and mechanically demanding such as clips or car bumpers	Mechanical characteristics such as flexural modulus (2300 Mpa) or thermal resistance (Hdt 130°C) realisation of resistant parts, even with low thickness	High temperature resistance under load (HdT) good chemical resistance. Its properties allow the realisation of functional parts, with a behaviour close to PA6.6, PPS, PEEK thermoplastics.	Water clear, good UV resistance,high stability under temperature. Good for lenses and light.	Excellent all round ABS type properties. Suitably strong for snap fits, clear for perfect colour matching	Flame retardant UL94V-0 Good impact strength. Electrical enclosures.	Transformers, filters, capacitors. Electrical devices working in potentially explosive enviroment. High thermal endurance, good thermal conductivity. shock resistance and UL94 V-0 (6mm)	Self-extinguishing, 5V according to UL94 (4mm). High thermal resistance (HdT : 130°C) and good chemical resistance
Hardness	20A-90A	25D	65D	75D	82D	87D	85D	82D	83D	80D	80D
Flexural modulus MPa	-	-	450	930	1700	2200	2200	2300	2200	2300	1500
Tensile strength MPa	2-17	5	19	36	60	75	66	58	68	30	60
Flexural strength MPa	-	-	20	36		96	65	99	93	53	65
Elongation at break %	270-330	170	45	35	13	5	6,5	25	14	6	5
Impact resistance kj/m2	-	-	21	91	60	11	84	12	10	-	20
Heat deflection temp (HDT)	-	-	85	110	130	150	84	72	80	oklart	130
Tear streght N/mm	8-34	10	-	-	-	-	-	-	-	-	-
										Finns datablad på elektriska egenskaper, kontakta oss för mer information	

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