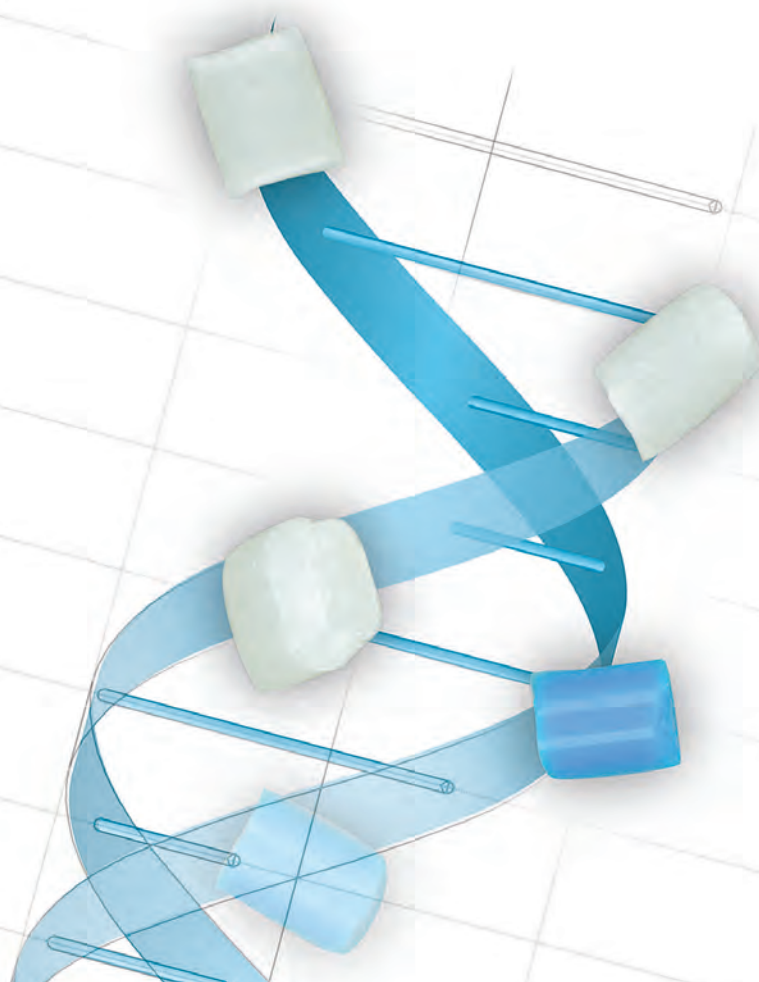
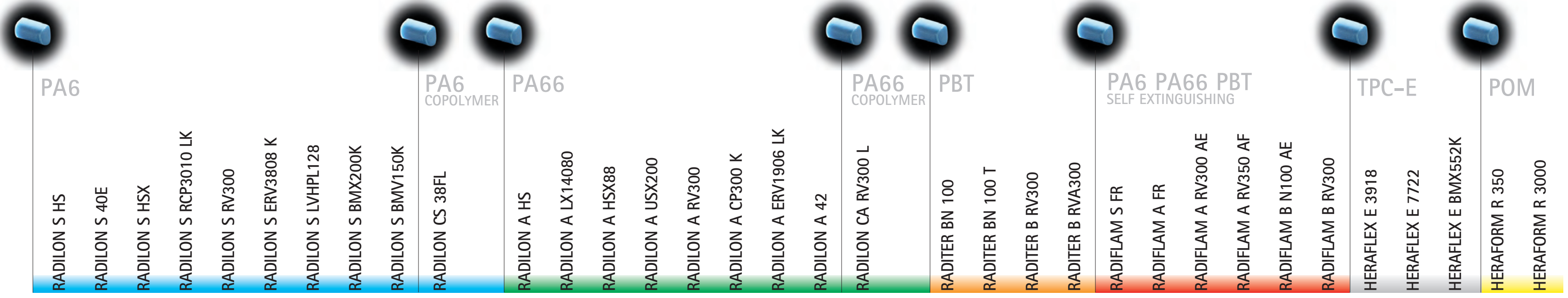


Range
of materials



range of materials



PROPERTY	UNIT	RADILON S HS	RADILON S 40E	RADILON S HSX	RADILON S RCP3010 LK	RADILON S RV300	RADILON S ERV3808 K	RADILON S LVHPL128	RADILON S BMX200K	RADILON S BMV150K	RADILON CS 38FL	RADILON A HS	RADILON A LX14080	RADILON A HSX88	RADILON A USX200	RADILON A RV300	RADILON A CP300 K	RADILON A ERV1906 LK	RADILON A 42	RADILON CA RV300 L	RADITER BN 100	RADITER BN 100 T	RADITER B RV300	RADITER B RVA300	RADIFLAM S FR	RADIFLAM A FR	RADIFLAM A RV300 AE	RADIFLAM A RV350 AF	RADIFLAM B N100 AE	RADIFLAM B RV300	HERAFLEX E 3918	HERAFLEX E 7722	HERAFLEX E BMX552K	HERAFORM R 350	HERAFORM R 3000	
TENSILE MODULUS	ISO 527-1/2 MPa	3050	3000	2600	8200	9700	8400	1000	2000	5300	2800	3550	3250	2200	1850	9750	5250	5000	2650	10000	2800	2000	10000	9000	3350	3550	12350	10650	3100	11800			180	2600	2900	
STRESS AT BREAK/YIELD STRESS	ISO 527-1/2 MPa	75	75	65	95	170	130	40	50	80	80	85	80	60	40	180	80	105	80	165	60	40	140	130	75	70	135	135	55	115	26	50	22	62	65	
STRAIN AT BREAK/NOMINAL STRAIN AT BREAK	ISO 527-1/2 %	40	> 50	> 50	2.9	3.8	3.8	> 50	150	5	> 50	25	>50	>50	> 50	3.7	5.8	4	>50	3.3	20	20	2.5	2,5	30	4.5	1.8	2.1	2.5	1,3	968	500	>300	32	17	
YIELD STRAIN	ISO 524-1/2 %	4.1	4.1	4							4.1	7	4.2	5.5	7				5		8.5	4			4											
FLEXURAL MODULUS	ISO 178 MPa	2450	2350	2200	7050	7950	6700	700	1800	4000	2200	2950	2600	2050	1350	8100	4600	3950	2500	8150	2300	1900	8400	7500	2800	2900	10800	8750	2700	10500	59	828	160	2100	2800	
FLEXURAL STRENGTH	ISO 178 MPa	100	95	85	145	250	200	30	70	110	95	115	110	80	55	260	130	150	100	240	85	65	205	195	95	110	210	205	90	165						
CHARPY IMPACT STRENGTH	ISO 179/1 e U KJ/m²				45	90			NB	50						80			NB	68		NB	65	70			47	55	40	45			NB	8.5	6	
CHARPY NOTCHED IMPACT STRENGTH	ISO 179/1 e A KJ/m²	5.2	7.4	14	6	13	18	19	95	10	5.5	5.5	6.7	47	85	14	4.3	10	4.9	10	4.8	10	11	10	3.5	3	8	11	3.0	9.3			NB			
MELTING POINT	ISO 11357-1-3 °C	220	220	220	220	220	220	215	220	220	210	260	260	260	260	260	260	260	260	245	225	225	225	225	220	260	260	260	225	225	180	220	203			
HEAT DEFLECTION TEMPERATURE 1.8 MPA	ISO 75/2 A f °C	55	60	55	200	200	200	50	55	150	65	65	70	55	55	235	90	175	65	215	60	60	205	180	55	70	220	235	60	205				101	106	
HEAT DEFLECTION TEMPERATURE 0.45 MPA	ISO 75/2 B f °C		165	160	215	215	205	150	90		70	195	200	190	150	250	215	230		235	160		220		160	200	235	250	160	220			50			
VICAT SOFTENING TEMPERATURE	ISO 306 °C	190	200	185	210	210	205	165			70	240	240	210	170	245	245	235	240	225	180	65	210		195	220	240	245	180	210	128	211	170	151	151	
FLAMMABILITY	UL-94 mm/class	0.8 / V2	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / V2	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	0.8 / HB	1.6 / HB	0.8 / V0	0.8 / V0	0.8 / V0	0.8 / V0	0.8 / V0	0.8 / V0			0.8 / HB	HB	HB	
HARDNESS																																39	77	56 (48)		
DENSITY	ISO 1183 Kg/m³	1140	1140	1110	1330	1340	1270	1160	1070	1200	1140	1140	1130	1100	1060	1350	1360	1210	1140	1280	1310	1280	1530	1460	1150	1120	1600	1480	1450	1700	1120	1250	1160	1410	1410	
PROCESSING		Injection Moulding	Extrusion Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Blow Moulding	Blow Moulding	Film Extrusion Blow Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Extrusion	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Injection Moulding	Blow Moulding	Injection Moulding	Injection Moulding	

The above-mentioned technical data is purely indicative and is given without any guarantee. It is not to be considered as a specification. Any modification/addition of the material after supply can cause variation on the values or the technical characteristics. The values are calculated on injection moulded samples. RADILON®, RADITER®, RADIFLAM®, HERAFLEX E® and HERAFORM® are registered trademarks of Radici Novacips Spa.

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PA6



RADILON S HS
RADILON S 40E
RADILON S HSX
RADILON S RCP3010 LK
RADILON S RV300
RADILON S ERV3808 K
RADILON S LVHPL128
RADILON S BMX200K
RADILON S BMV150K

General purpose
High viscosity for extrusion
Elastomer modified free conditioning
Heat stabilized glass-fibre and mineral reinforced
Glass-fibre reinforced
Heat stabilized glass-fibre reinforced with high impact strength
Plasticized for improved flexibility
Unfilled blow moulding grade
Glass-fibre reinforced blow moulding grade

PA6
copolymer



RADILON CS 38FL

Film grade

PA66



RADILON A HS
RADILON A LX14080
RADILON A HSX88
RADILON A USX200
RADILON A RV300
RADILON A CP300 K
RADILON A ERV1906 LK
RADILON A 42

General purpose
Medium high viscosity
Elastomer modified free conditioning
Very high impact strength
Glass-fibre reinforced
Heat stabilized mineral filled
Glass-fibre reinforced with high impact strength, heat stabilized
Extrusion grade

PA66
copolymer



RADILON CA RV300 L

Glass-fibre reinforced

PBT



RADITER BN 100
RADITER BN 100 T
RADITER B RV300
RADITER B RVA300

PBT General purpose
Elastomer modified
PBT glass-fibre reinforced
Glass-fibre reinforced low warpage

PA6 PA66
PBT
self extinguishing



RADIFLAM S FR
RADIFLAM A FR
RADIFLAM AR V300 AE
RADIFLAM AR V350 AF
RADIFLAM B N100 AE
RADIFLAM B RV300 AE

PA6 Self-extinguishing without halogen or phosphorous
PA66 Self-extinguishing without halogens or phosphorous
PA66 Self-extinguishing glass-fibre reinforced with halogen
PA66 Self-extinguishing glass-fibre reinforced with phosphorous
PBT Self-extinguishing with halogen
PBT Self-extinguishing glass-fibre reinforced with halogen

TPC-E



HERAFLEX E 3918
HERAFLEX E 7722
HERAFLEX E BMX552K

Low hardness - High elasticity
High hardness - High temperature resistance
Blow moulding grade

POM



HERAFORM R 350
HERAFORM R 3000

Standard grade for injection moulding
Very easy flowing grade for injection moulding of thin-walled part or in case of long flow path

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