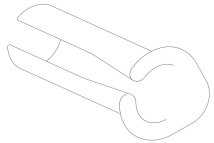
Protection kit KS-A08

Technical Datasheet



The protection kit is made of Valox Resin 553. It is used to protect the membrane while pulling on the keder extrusion of system Electra KS-P01, system Solitair KS-P02 and system Lamora KS-P05. Following datasheet refers to the physical properties the used base materials.

Valox Resin 553

Typical Properties	Test Method	Units	Typical Value
Tensile stress, break, 5 mm/min	ISO 527	Mpa	140
Tenisle strain, break, 5 mm/min	ISO 527	%	3
Tensile modulus, 1 mm/min	ISO 527	Mpa	10000
Flexural stress, break, 2 mm/min	ISO 178	Mpa	210
Flexural modulus, 2 mm/min	ISO 178	Mpa	8000
Hardness, H358/30	ISO 2039-1	Mpa	132
Hardness, Rockwell R	ISO 2039-1		118
Izod impact, unnotched 80*10*4 +23°C	ISO 180/1 U	kJ/m²	60
Izod impact, unnotched 80*10*4 -30°C	ISO 180/1 U	kJ/m²	60
Izod impact, notched 80*10*4 +23°C	ISO 180/1 A	kJ/m²	7
Izod impact, notched 80*10*4 -30°C	ISO 180/1 A	kJ/m²	7
Charpy 23°C, V-notch edgew 80*10*4 sp=62mm	ISO 179/1 eA	kJ/m²	8
Charpy -30°C, V-notch edgew 80*10*4 sp=62mm	ISO 179/1 eA	kJ/m²	8
Charpy 23°C, unnotch edgew 80*10*4 sp=62mm	ISO 179/1 eU	kJ/m²	NB
Charpy -30°C, unnotch edgew 80*10*4 sp=62mm	ISO 179/1 eU	kJ/m²	NB
Izod reverse impact, notched 80*10*4 23°C	ISO 180/1 C	kJ/m²	45
CTE, 23°C to 80°C, flow	ISO 11359-2	1/K	2.5E-05
CTE, 23°C to 80°C, xflow	ISO 11359-2	1/K	8,50E-05
Ball pressure test, 125°C +/-2°C	IEC 60695-10-2		PASSES
Vicat softening temp, rate A/50	ISO 306	°C	210
Vicat softening temp, rate B/50	ISO 306	°C	170
Vicat softening temp, rate B/120	ISO 306	°C	170
HDT/Be, 0,45 Mpa edgew 120*10*4 sp=100mm	ISO 75/Be	°C	205
HDT/Ae, 1,8 Mpa edgew 120*10*4 sp=100mm	ISO 75/Ae	°C	135
Relative temp index, elec	UL 746B	°C	125
Relative temp index, mech w/impact	UL 746B	°C	110
Relative temp index, mech w/o impact	UL 746B	°C	125