

Overview XIRAN[®] SE grades

SMA/PS for engineering plastics applications

Typical data	SI units	XIRAN [®] SE700	XIRAN [®] SE750
Impact properties			
Charpy notched impact strength (23°C)	kJ/m ²	9	8
Charpy notched impact strength (-40°C)	kJ/m ²	5	5
Charpy unnotched impact strength (23°C)	kJ/m ²	30	
Charpy unnotched impact strength (-40°C)	kJ/m ²	30	
Tensile properties			
Tensile stress at break	N/mm ²	35	21
Elongation at break	%	3	55
E-modulus	N/mm ²	2100	1800
Flexural properties			
Flexural strength	N/mm ²	65	45
Flexural modulus	N/mm ²	2400	1700
Thermal properties			
Heat deflection temperature at 1.80 MPa	°C	92	
Vicat softening temperature (10N)	°C	115	112
Flammability properties		HB	HB
Specific properties			
Density	g/cm ³	1.05	1.02
MFI at 240°C and 100N	dg/min	22	80
Spiral flow length	cm	36	



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