

STAREX SR-0300

ABS gute Wärmeformbeständigkeit, emissionsreduziert

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,05
	Melt Flow Index	220°C, 10kg	ISO 1133	g/10min	13
	Mold Shrinkage (MD)	Flow at 3.2mm(MD)	ISO 2577	%	0,38-0,46
	Mold Shrinkage (TD)	X-Flow at 3.2mm(TD)	ISO 2577	%	0,40-0,49
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	76
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	95
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	97
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	102
	Vicat Softening Temperature	B/50	ISO R 306	°C	102
	Vicat Softening Temperature	B/120	ISO R 306	°C	105
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	48
	Tensile Strain at Break	50mm/min	ISO 527	%	22
	Tensile Modulus	50mm/min	ISO 527	MPa	2400
	Tensile Strength at Break	50mm/min	ISO 527	MPa	35
	Flexural Strength	2mm/min	ISO 178	MPa	76
	Flexural Modulus	2mm/min	ISO 178	MPa	2500
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	22
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	25



Rockwell Hardness	R-scale	ISO 2039-2	-	110
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