

VIPLON S300

PC low viscosity, good flow

Properties	Test Method	Unit	Typical Value
Physical			
MFI	ISO 292	g/10'	22
Density (23°C)	ISO 1183	g/cm ³	1,2
Water Absorption (24h/23°C)	ISO 62	%	0,14
Water Absorption at Saturation	ISO 62	%	0,3
Mould Shrinkage (Parallel)	ASTM D-955	%	0,5-0,7
Mould Shrinkage (Normal)	ASTM D-955	%	0,5-0,7
Mechanical			
Izod Notched Impact (+23 °C)	ISO 180	J/m	600
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	0
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m ²	20
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m ²	>300
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m ²	>300
Tensile Modulus	ASTM D-638	N/mm ²	2300
Elongation at Break	ASTM D-638	%	80
Tensile Break Strength	ASTM D-638	N/mm ²	0
Tensile Yield Strength	ASTM D-638	N/mm ²	60
Thermal			
Vicat Temperature (1kg)	ASTM D-1525	°C	148
Vicat Temperature (5kg)	ASTM D-1525	°C	143
Heat Deflection Temperature (0,45 N/mm ²)	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm ²)	ASTM D-648	°C	140
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	0
Electrical			
Volume Resistivity	ASTM D-257	Ohm cm	>10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	225
Electric Strength (Thickness)	ASTM D-149	kV/mm	20
Flammability			
Flammability Rating	UL 94	-	V2 (1,6 mm)
Glow Wire Test	60695-2-1 IEC	°C	850°@2 mm

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