

Properties**720**

ABS resin

For extrusion

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	220 deg C/10kg	g/10min	6
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	41
Flexural strength	ISO 178	-	MPa	60
Flexural modulus	ISO 178	-	MPa	2100
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m ²	25
Notched Charpy impact strength	ISO 179/1eA	-30 deg C	kJ/m ²	14
Notched Izod impact strength	ASTM D256	23 deg C/6.4mm	J/m	250
Notched Izod impact strength	ASTM D256	-30 deg C/6.4mm	J/m	140
Rockwell hardness	ISO 2039	-	-	R110
Deflection temperature under load	ISO 75	1.80MPa	deg C	77
Deflection temperature under load	ASTM D648	1.82MPa/12.7mm	deg C	92
Vicat softening temperature	ISO 306/B50	50N X 50deg C/h	deg C	96
Ball pressure temperature	-	-	deg C	90
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	9
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	-
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm ³	1.05

Note

•Values are typical, not quality assured.