

## Typical Properties of Thermoplastics

### NAXELL™ PCR210HFIM-BK200

Post Consumer Recycle, High flow, High Impact, Polycarbonate with release for thin wall molding applications.

Further information and details are available upon request

Properties	Test Method	English	Units	S.I.	Units
<b>PHYSICAL</b>					
Specific Gravity, solid	D 792	NA	1.2	NA	1.2
Mold Shrinkage, flow. 0.125" (3.2mm)	D 955	in/in	0.005-0.008	%	0.5-0.8
Melt Flow Rate @ 300C / 1.2kg, nominal	D 1238	g/10min	20	g/10min	20
<b>MECHANICAL</b>					
Tensile Strength @ Yield. 73°F (23°C), 0.125" (3.2mm)	D 638	psi	8,400	MPa	60
Flexural Strength. 73°F (23°C), 0.125" (3.2mm)	D 790	psi	14,000	MPa	96
Flexural Modulus. 73°F (23°C), 0.125" (3.2mm)	D 790	psi	340,000	MPa	2,343
Izod Impact, notched. 73°F (23°C), 0.125" (3.2mm)	D256	ft-lb/in	12	J/m	641
<b>THERMAL</b>					
Deflection Temperature, unannealed. 0.125" (3.2mm)	D 648				
264 psi (1.82 MPa), Load		°F	257	°C	125
66 psi (0.45 MPa), Load		°F	270	°C	132

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