



## Polyintec® ARC35C-10

Polypropylene Random Copolymer (PPRC)

### Product Description:

Polyintec® ARC35C-10 is a high flow rate, high clarity polypropylene random copolymer (PPRC) with a moderate level of antistat. It is designed for rapid molding cycles and offers good impact resistance at both room and refrigerator temperatures. It is suitable for applications requiring compliance with U.S. Food and Drug Administration regulations, specifically 21 CFR 177.1520. Its benefits include good impact resistance, rapid molding and good clarity.

### Suggested Applications:

Thin-wall Rigid packaging, Consumer products, Housewares, Medical items

### Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
<b>Resin Properties</b>			
Melt Flow Rate (230°C/2.16 kg)	D1238	g/10 min	35.0
Density	D792	g/cc	0.904
<b>Injection Molded Sample</b>			
Tensile Strength @ Yield	D638	MPa (psi)	29.6 (4600)
Tensile Strength @ Break	D638	MPa (psi)	17.6 (2560)
Elongation @ Yield	D638	%	13.7
Elongation @ Break	D638	%	>500
Flexural Modulus (1% Secant)	D790B	MPa (psi)	1093 (158500)
Notched Izod Impact Strength @ 23°C	D256	ft-lbf/in (kJ/m <sup>2</sup> )	0.88 (4.60)
Notched Izod Impact Strength @ 4°C	D256	ft-lbf/in (kJ/m <sup>2</sup> )	0.57 (3.00)
Hardness (Rockwell R)	D785	-	84
Vicat Softening Point	D1525	°C (°F)	130 (267)

### Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Users should perform their own tests to determine the suitability of this products for their own particular purposes. Test conditions: Injection Molded Sample.