



Polyintec® PPN-20N-01

Polypropylene Impact Copolymer (IPC-IM)

Product Description:

Polyintec® PPN-20N-01 is a high impact, vis-broken, high melt flow rate, nucleated polypropylene impact copolymer designed for injection molding applications. This grade does not contain an antistat or slip agent and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Suggested Applications:

Crates for Food Transport and Storage, Pails, Small Containers

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Resin Properties:			
Melt Flow Rate (230°C/2.16 kg)	D1238	g/10 min.	20.0
Density	D792	g/cc	0.903
Injection Molded Sample			
Tensile Strength @ Yield	D638	MPa (psi)	22.6 (3280)
Tensile Strength @ Break	D638	MPa (psi)	16.5 (2400)
Elongation @ Yield	D638	%	5
Elongation @ Break	D638	%	50
Flexural Modulus (1% Secant)	D790B	MPa (psi)	1230 (179,000)
Notched Izod Impact Strength @ 23°C	D256		NO BREAK
Notched Izod Impact Strength @ -20°C	D256	kJ/m2 (ft-lbf/in)	9.3 (1.8)
Hardness (Rockwell R)	D785		74
Vicat Softening Point	D1525	°C (°F)	145 (293)

Important Note:

The properties listed above are typical values obtained under laboratory conditions and are not intended to be used as specifications. Published 02/01/13, Revised 11/10/21. Any inquiries regarding this data sheet should be addressed to the contact on original file. The information is only the opinion of original provider.