

POLIMAXX NBC03HRA

 IRPC Public Company Limited - *Polypropylene*
General Information
Product Description

NBC03HRA is a Polypropylene (PP) type H NEWCON thermoplastic olefin (TPO). It is a PP which has high rubber and high melt flow index for using in injection molding process or. The features are excellent cold impact, heat resistance, and good fluidity. .

TYPICAL APPLICATION:

Injection molding: Interior & exterior parts for automobile, polymer base for polymer compounding

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Heat Resistance	• High Flow	• Low Temperature Impact Resistance
Uses	• Automotive Applications		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	32	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	3050	psi	ISO 527-2
Flexural Modulus - 1% Secant	152000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	194	°F	ISO 75-2/B

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	374 to 464	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

