

## Product Data Sheet

Polypropylene Homopolymer

Process: Injection Molding

PHI 40N is a high melt flow rate homopolymer with high transparency. Designed for use on thinwalled injection moulding parts with high output. This product exhibits excellent processability and very high stiffness.

Application:

Toys, Transparent packaging for food and cosmetics, Thin wall injection molding, Thin wall houseware.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (230 °C/2.16 kg)	D 1238	g/10 min	40
Density	D 792	s/cm <sup>3</sup>	0.905
Flexural Modulus - 1% Secant	D 790	Mpa	1700
Tensile Strength at Yield	D 638	Mpa	10
Tensile Elongation at Yield	D 638	%	11
Notched Izod Impact Strength	D 256	J/m	27
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	115
Deflection Temperature under Load at 1.820 Mpa	D 648	°C	63
Haze	D 1003	%	24
Vicat Softening Temperature at 10N	D 1525	°C	154
Rockwell Hardness (R Scale)	D 785		100

<sup>1</sup> Typical values which can vary within specification limits and are not to be construed as specifications.

<sup>2</sup> 2.16 kg/230<sup>o</sup> C.