

Product Data Sheet

Polypropylene Homopolymer

Process: Injection Molding

PHI 40 is a high melt flow rate additivated homopolymer used for general purposes. This product exhibits excellent processability on injection moulding applications.

Application:

Home appliances, Thin wall packaging for food and cosmetics, Tamper evident caps, Toys, Compounds

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 ³	0.905
Flexural Modulus - 1% Secant	D 790	Mpa	1230
Tensile Strength at Yield	D 638	Mpa	35
Tensile Elongation at Yield	D 638	%	11
Notched Izod Impact Strength	D 256	J/m	20
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	98
Deflection Temperature under Load at 1.820 Mpa	D 648	°C	55
Vicat Softening Temperature at 10N	D 1525	°C	155
Rockwell Hardness (R Scale)	D 785		100

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

² 2.16 kg/230° C.