

## Product Data Sheet

### Polypropylene Homopolymer

Process: Fiber Extrusion, Injection Molding

PHI 20 is a high melt flow rate additivated homopolymer suitable for injection molding and fiber extrusion applications. This product exhibits excellent processability with good melt strength and stiffness/impact strength balance. It also features low odor/taste transfer.

Application:

Home appliances, Nonwovens, Continuous filament for ropes, Continuous filaments for sewing thread, Continuous filaments for carpets, Drawers, Staple fiber needle punched carpets.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (230 °C/2.16 kg)	1133	g/10 min	20
Density	1183-1	s/cm <sup>3</sup>	0.905
Flexural Modulus - 1% Secant	178	Mpa	1500
Tensile Strength at Yield	527-1	Mpa	35
Tensile Elongation at Yield	527-1	%	10
Notched Izod Impact Strength	180	KJ/m <sup>2</sup>	3.2
Deflection Temperature under Load at 0.455 Mpa	75-1/75-2	°C	105
Deflection Temperature under Load at 1.820 Mpa	75-1/75-2	°C	56
Vicat Softening Temperature at 10N	306	°C	155
Rockwell Hardness (R Scale)	2039-2		102

<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° C.