

Product Data Sheet

Polypropylene Homopolymer

Process: Extrusion of Fibers, Injection Molding, Raffia Extrusion

PHR 035 is a low melt flow rate additivated homopolymer uses for general purposes. It is designed for injection molding, raffia extrusion, bioriented film and general extrusion. This product exhibits excellent processability, good melt stability, good stiffness and impact strength balance and low odor and flavor transfer.

Application:

Broom bristles, Brush Bristles, Compounds, Fishing net, Raffia, Flip-Top Caps, Home Appliances, lashing cables.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (230 °C/2.16 kg)	1133	g/10 min	3.5
Density	1183-1	s/cm ³	0.905
Flexural Modulus	178	Mpa	1400
Tensile Strength at Yield	527-1	Mpa	35
Tensile Elongation at Yield	527-1	%	11
Notched Izod Impact Strength	180	KJ/m ²	3.3
Deflection Temperature under Load at 0.455 Mpa	75-1/75-2	°C	98
Deflection Temperature under Load at 1.820 Mpa	75-1/75-2	°C	55
Vicat Softening Temperature at 10N	306	°C	155
Rockwell Hardness (R Scale)	2039-2		99

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

² 2.16 kg/230° C.