

Technical Data Sheet

Percom PP PHC31 BLACK 2.0133 (PG05)

Polypropylene Copolymer

Product Description

A polypropylene copolymer compound grade with a narrow molecular weight distribution and excellent combination of impact, anti-static and flow properties. Applications include automotive components and household storage articles.

Processing Method	Injection Molding
Attribute	Copolymer; Narrow Molecular Weight Distribution
Forms	Granules
Application	Automotive Applications; Household Goods

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133
Density	0.905	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	26	MPa	ISO 527-2
Tensile Strain at Break	600	%	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Tensile Stress at Break	20	MPa	ISO 527-2
Impact			
Notched Izod Impact Strength	10	kJ/m ²	ISO 180
Hardness			
Shore Hardness, (Shore D)	65		ISO 868
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	71.0	°C	ISO 306
(A (10N), 50 °C/h)	147	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa)	52	°C	ISO 75-2/A

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C