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Technical Data Sheet

Polyfort PP 1259-31 UP BLACK

Polypropylene, Impact Copolymer

Product Description

Polyfort PP 1259 is a medium impact polypropylene with easier molding characteristics for thinner parts and longer flow distances. Lower molding pressures and heats often reduce warpage and mold cycles. Approved for automotive use.

Processing Method	Injection Molding
Attribute	Fast Molding Cycle; Good Processability; Impact Copolymer; Low Warpage; Medium Impact Resistance
Forms	Pellets
Application	Automotive Applications

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.9	g/cm³	ASTM D792
Mechanical			
Tensile Elongation at Yield	7	%	ASTM D638
Tensile Strength at Yield, (51 mm/min)	24.1	MPa	ASTM D638
Flexural Modulus	1140	MPa	ASTM D790
Impact			
Unnotched Izod Impact	1600	J/m	ASTM D4812
Notched Izod Impact	130	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	75		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	57.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	90.6	°C	ASTM D648
Melting Temperature, (Internal Method)	166	°C	
Flammable			
Burning Rate, (No Standard)	36	mm/min	ISO 3795
Additional Information			
Water Absorption at 24 hrs	0.03	%	ASTM D570